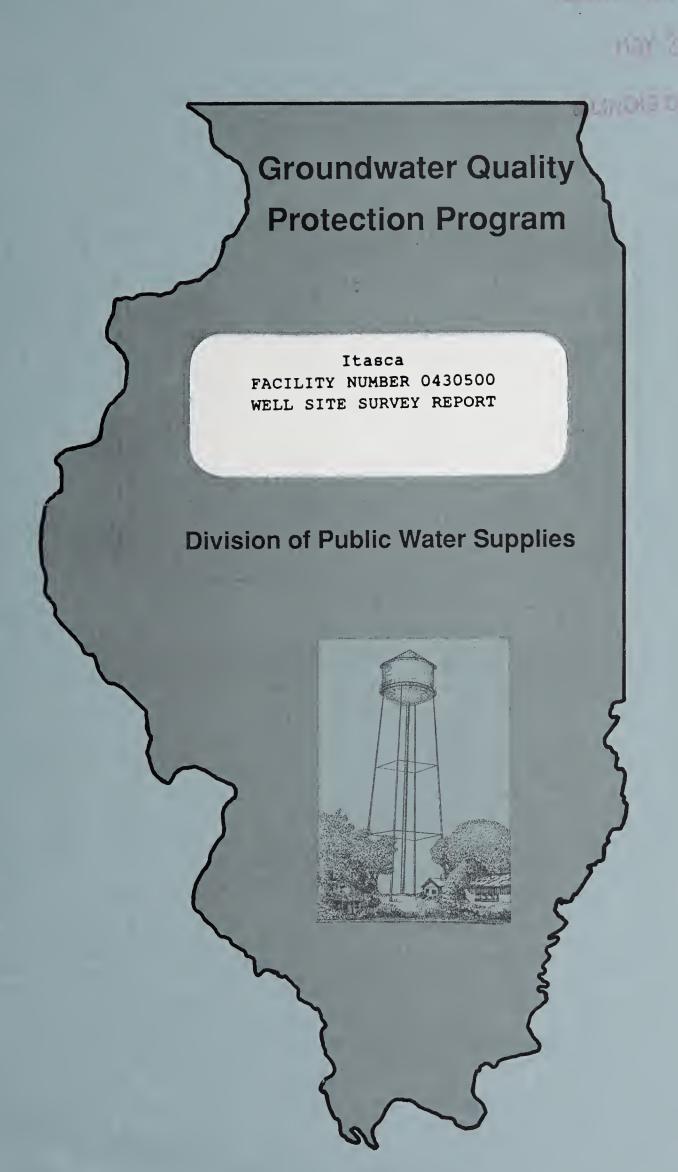
Division of Public Water Supplies 2200 Churchill Road Springfield, Illinois 62706





IEPA/PWS/93-100

GROUNDWATER QUALITY PROTECTION PROGRAM:

Itasca
FACILITY NUMBER 0430500
WELL SITE SURVEY REPORT

Presented by:

Division of Public Water Supplies

Published by:

Illinois Environmental Protection Agency
Springfield, Illinois

April 1994





I553,79 ITAS C.3

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INTRODUCTION

This report has been prepared by the Illinois Environmental Protection Agency (Agency) pursuant to Section 17.1 of the Illinois Environmental Protection Act (Act). The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around the well(s) to help increase your awareness of potential hazards to the groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

Itasca has four public water supply wells. The facility produces 1,099,000 gallons per day to an estimated population of 6,947. See Table I for a description of each well. The wells utilize a shallow bedrock aquifer (for well no. 3 and no. 5) and a sand and gravel aquifer (for well no. 8) aquifer overlain by modern river alluvium consisting of unconsolidated, variably textured materials ranging from clay to gravel (for well no. 3), permeable bedrock between 20 and 50 feet deep (for well no. 5), and uniform, relatively impermeable silty or clayey till at least 50 feet thick (for well no. 8). Permeability is the ability of a soil or sediment to transmit fluids. A detailed description and geologic profile is found in the Facility wells Report (Appendix D).

TABLE 1

Well I.D.	Setba Min. (Ft.)	Max.	Status	Capacity (gpm) (MGD)	Specific Capacity (gpm/ft)	Treatment	Aquifer	Well Depth (Ft.)	Well Logs Avail.
Well #3 (20756)	400		A	499.7 0.720	NA	Cl,Fl S Phos.	Shallow Bedrock	200	No
Well #5 (20757)	400		A	499.7 0.720	NA	Cl,Fl	Shallow Bedrock	190	Yes
Well #8 (20758)	200		A	749.5 1.080	NA	Cl,Fl S Phos.	Sand & Gravel	115	Yes
Well #9 (00327)	200		A	499.7 0.720	NA	Cl,Fl S Phos.	Sand & Gravel	105	Yes

A=Active; I=Inactive; SB=Standby

GROUNDWATER SAMPLING/MONITORING HISTORY

The public water supply wells no. 5, and no. 8 were sampled as part of the Statewide Groundwater Monitoring Network on March 5, 1985 and November 21, 1985 respectively. The samples were analyzed for volatile organic and aromatic chemicals (VOC/VOA) and inorganic chemcials (IOC). The VOC/VOA analyses performed detected no quantifiable levels of organic chemicals in the wells. The IOC analyses performed found the water from the wells to meet all general use guidelines with elevated levels of iron, for well 5 which is not uncommon for similar types of wells in the area. Well no. 3 and no. 9 were sampled for inorganic chemicals (IOC) to comply with the Safe Drinking Water Act. In the future the wells will be sampled for VOC/VOA. Well no. 5 was also sampled for Synthetic Organic Compounds (SOC). The SOC analyses performed found no detectable levels of pesticides in the well.

SURVEY METHODS AND PROCEDURES

The detailed well site survey consists of an aerial photographic map and inventory sheets (Appendix B-C), that relate information about potential sources, routes and possible problem sites to your water supply well(s). The location of potential sources, routes, possible problem sites, water supply wells, minimum setback zones, and 1,000 foot survey area are all displayed on the aerial photographic map.

The first page of each survey consists of a summary description and geologic profile for each well. The second and following pages of the survey inventory units within and bordering a 1,500 foot radius of the wellhead. A unit is defined as any device, mechanism, equipment, or area (exclusive of land utilized for agricultural production). The Agency five-digit well number is associated with a unit or map code, and then classified. The classification codes relate to definitions of potential contamination sources and routes as defined in the Illinois Groundwater Protection Act (see Groundwater Primer pages 18-19). The distance and direction of the unit from the wellhead is also indicated.

Survey Results and Findings:

The well site survey of Itasca was conducted on August 11, 1993 by Laurie Moyer, Environmental Protection Specialist from the Agency's Rockford Regional Office. The following describes the results and findings for Itasca.

Itasca Well #3 (20756)

The survey area is urban consisting partly of moderate density residential housing and partly of commercial/industrial businesses. The well is located off Orchard. There is one visible potential sources, routes, or possible problem sites within the minimum setback zone (400 feet). This site is Itasca Auto Card (map code 1) located 175 feet south of the well. There are no potential source or possible problem site is located outside the minimum setback zone but within the survey area of the well (1500 feet).

Itasca Well #5 (20757)

The survey area is urban consisting partly of moderate density residential housing and partly of commercial/industrial businesses. The well is located off Rt. 19 on Bloomingdale Rd. There is one visible potential sources, routes, or possible problem sites within the minimum setback zone (400 feet). This site is Itasca Auto Card (map code 1) located 100 feet northwest of the well. Two potential source or possible problem sites are located outside the minimum setback zone but within the survey area of the well (1500 feet). These sites are Washington School (map code 2) located 600 feet southeast of the well, and St. Lukes Lutheran School (map code 3) located 1125 feet southeast of the well.

Itasca Well #8 (20758)

The survey area is urban consisting of commercial/industrial businesses. The well is located off Bryn Mawr Ave. There is one visible potential sources, routes, or possible problem sites within the survey (200 feet). This site is Majestic Screw & Bolt, Bryn Mawr Ave. (map code 47) located 100 feet south of the well. Twenty-four potential sources or possible problem sites are located outside the minimum setback zone but within the survey (1500 feet). These sites are National Salt Supply Inc. (map code 1) located 300 feet north of the well, an unknown building (map code 2) located 550 feet northeast of the well, P.C. Plastics (map code 3) located 550 feet northeast of the well, Aericable (map code 4) located 850 feet northeast of the well, Polaris Industries (closed) (map code 5) located 900 feet east of the well, an unknown building (map code 6) located 1100 feet northeast of the well, Westlake Industries Pharmagraphics (map code 7) located 1150 feet northeast of the well, MAAC (map code 8) located 1100 feet east of the well, Barham Company (map code 9) located 1325 feet east of the well, Schmidt Cartage Inc. (map code 10) located 1300 feet southeast of the well, an unknown building (map code 11) located 800 feet southeast of the well, K & K Screw Products (map code 12) located 650 feet southeast of the well, Solberg Manufacturing (map code 13) located 400 feet southeast of the well, J.J. McIlwee Co. (map code 14) located 1300 feet southeast of the well, Contract System Installators Inc. (map code 15) located 1075 feet southeast of the well, Jansen-Soulders Ass. Inc. (map code 16) located 700 feet southeast of the well, Peacock Engineering Co. (map code 17) located 1300 feet southeast of the well, Marshalls (closed) (map code 18) located 975 feet southeast of the well, ITW Buildex (map code 19) located 800 feet southeast of the well, an unknown building (map code 20) located 1475 feet southeast of the well, Systems Limited Inc. (map code 21) located 1325 feet southeast of the well, Amco Industries Inc. (map code 22) located 1200 feet south of the well, Wickes Furniture (map code 43) located 1550 feet southwest of the well, Exel Industries (map code 44) located 1450 feet south of the well, an unknown building (map code 45) located 700 feet south of the well, and Ellis Corp. (map code 46) located 400 feet south of the well.

Itasca Well #9 (00327)

The survey area is urban consisting of commercial/industrial businesses. The well is located off Bryn Mawr Ave. There are two visible potential sources, routes, or possible problem sites within the survey (200 feet). These sites are Bryn Mawr Business Park (map code 29) located 200 feet northeast of the well, and another Bryn Mawr Business Park (map code 36) located 175 feet southeast of the well. Twenty-two potential sources or possible problem sites are located outside the minimum setback zone but within the survey (1500 feet). These sites are Systems Limited Inc. (map code 21) located 1450 feet northeast of the well, Amco Industries Inc. (map code 22) located 1300 feet northeast of the well, an unknown building (map code 23) located 1050 feet northeast of the well, Zellerbach Co.-Mead (map code 24) located 825 feet northeast of the well, Imperial Eastman (map code 25) located 400 feet northeast of the well, Quill's Office Furniture (map code 26) located 750 feet east of the well, KDA Kitchen Cabinets (map code 27) located 1050 feet northeast of the well, KDA Kitchen Cabinets (warehouse) (map code 28) located 1150 feet east of the well, Hendrichsen & Company Co. (map code 30) located 1375 feet east of the well, Town & Country Distributors (map code 31) located 1150 feet east of the well, Johnson Controls Inc. (map code 32) located 1200 feet southeast of the well, Virco Manufacturing Co. (map code 33) located 800 feet southeast of the well, Concentives Inc. (map code 34) located 1050 feet southeast of the well, Nestle (map code 35) located 550 feet southeast of the well, Boise Cascade Office Products (map code 37) located 600 feet south of the well, Mitsubishi Tools (map code 38) located 1100 feet southwest of the well, U.S. Post Office (map code 39) located 1400 feet west of the well, Hi-Cone Div of Il. Tool Works (map code 40) located 300 feet northwest of the well, Amoco Oil Co. (map code 41) located 1100 feet northwest of the well, Mobil Oil Corp. (map code 42) located 1300 feet northwest of the well, Wickes Furniture (map code 43) located 1000 feet north of the well, and Exel Industries (map code 44) located 1075 feet north of the well.

Summary

The well site survey conducted indicates that there are potential sources/sites that could pose a hazard to groundwater utilized by the Itasca public water wells.

- Two with below ground fuel storage: Itasca Auto Card, and K & K Screw Products.
- Several commerical/industrial businesses including National Salt Supply Co., P.C. Plastics, Westlake Industries Pharmgraphics, Solberg Manufacturing, Peacock Engineering Co., Amco Industries Inc., Zellerbach Co.-Mead, KDA Kitchen Cabinets, Johnson Controls Inc., Nestle, Boise Cascade Office Products, Mitsubishi Tools, and Hi-Cone Div. Il. Tool Works.

The Illinois Environmental Protection Act provides minimum protection zones for your wells. These minimum protection zones are regulated by the Agency. The Act also authorizes county and municipal officials the opportunity to provide maximum protection zones up to 1,000 feet. The responsibility for the control would then be assumed by the local officials through adoption of a maximum setback zone ordinance.

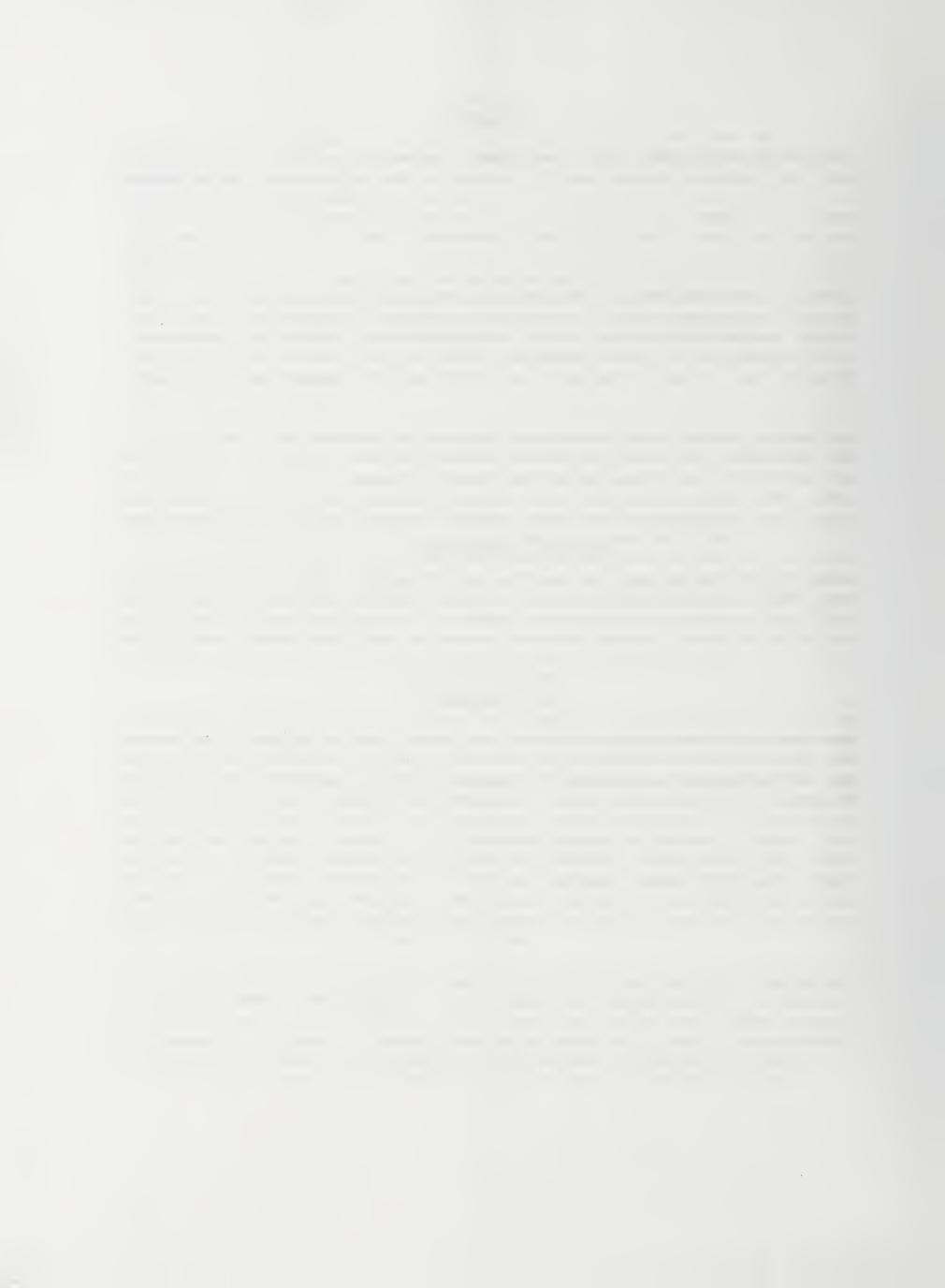
Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination. A maximum setback up to 1,000 feet could expand the regulatory coverage of certain existing and new activities. These controls could be implemented upon the adoption of proposed regulations by the Illinois Pollution Control Board.

RECOMMENDATIONS

The Agency strongly urges Itasca to consider establishing a maximum setback zone ordinance for its wells. Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination up to 1000 feet from respective wellheads. Regulatory coverage of certain existing activities could be expanded upon adoption of proposed regulations currently before the Illinois Pollution Control Board. To aid you in the development of further regulatory coverage for your well supply, the Agency prepared a "Maximum Setback Zone Workbook" that provides detailed case studies of how to establish maximum setback zones. This text and further technical assistance is readily available form the Agency and the Illinois State Water Survey.

Local governments are also encouraged to consider conducting groundwater protection needs assessments. Any county or municipality having a population less than 25,000 or 5,000 persons respectively, may request the Agency to conduct a hazard review in lieu of a need's assessment. The Agency may issue an "advisory of groundwater contamination hazard" if a significant hazard to the public health or the environment exists.

















Appendix B1 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE Itasca Well No. 3 (IEPA #20756)

SURVEYOR:

Moyer

SURVEY DATE: 08-11-93

ADDRESS:

Village of Itasca

100 N. Walnut

Itasca, IL 60143

AGENCY WELL NO: 20756

WELL NAME & DESC: Well #3

TREATMENT APPLICATION POINT: 01

FACILITY NO. & NAME: 0430500 - Itasca FACILITY PHONE CONTACT: 708-773-5571

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 40N, 11E, 08, 6E

DISTANCE FROM CORNER: 2450S, 1500E

QUAD SHEET CODE & NAME: 033A - Lombard

MIN. SETBACK: 400 feet

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: AX- Modern river alluvium consisting of unconsolidated, variably textured materials ranging from clay to gravel.

AGE OF WELL: 1939 WELL DEPTH: 200 feet CASING DEPTH: 80

AQUIFER CODE: 5656 - Shallow Bedrock

MULTPLE AQUIFER (Y,N): No

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of moderate density residential housing and partly of commercial/industrial businesses.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED

CU = CLEANUP CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20756-01-PS

XI = UNKNOWN

NAME & ADDRESS OF UNIT OWNER: Itasca Auto Card, 102 E. Irving Park, Itasca, IL 60143

OX = UNKNOWN

DESCRIPTION AND COMMENTS: Service Station, 4 registered underground storage tanks on site OSFM #2-021186.

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 175 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20756-02

NAME & ADDRESS OF UNIT OWNER: Washington School, Washington St., Itasca, IL 60143

DESCRIPTION AND COMMENTS: School

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1825 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20756-03

NAME & ADDRESS OF UNIT OWNER: St. Lukes Lutheran School, Rush St.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: School

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2350 feet southeast of the well

SURVEYOR: Moyer
SURVEY DATE: 08-11-93

ADDRESS: Village of Itasca

100 N. Walnut Itasca, IL 60143

AGENCY WELL NO: 20757

WELL NAME & DESC: Well #5

TREATMENT APPLICATION POINT: 02

FACILITY NO. & NAME: 0430500 - Itasca FACILITY PHONE CONTACT: 708-773-5571

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 40N, 11E, 08, 6C

DISTANCE FROM CORNER: 1750N, 1900E

QUAD SHEET CODE & NAME: 033A - Lombard

MIN. SETBACK: 400 feet

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: C1- Permeable bedrock bewteen 20 and 50 feet deep, more than 20 feet of till or other fine grained materials overlies the bedrock.

AGE OF WELL: 1958 WELL DEPTH: 190 feet CASING DEPTH: 102

AQUIFER CODE: 5661 - Shallow Bedrock

MULTPLE AQUIFER (Y,N): yes

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of moderate density residential housing and partly of commercial/industrial businesses.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

XI = UNKNOWN

CU = CLEANUP

OR = ROUTE

CC = CERTIFIED

OX = UNKNOWN

CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20757-01-PS

NAME & ADDRESS OF UNIT OWNER: Itasca Auto Card, 102 E. Irving Park, Itasca, IL 60143

DESCRIPTION AND COMMENTS: Service Station, 4 registered underground storage tanks on site OSFM #2-021186.

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 100 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20757-02

NAME & ADDRESS OF UNIT OWNER: Washington School, Washington St., Itasca, IL 60143

DESCRIPTION AND COMMENTS: School

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 600 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20757-03

NAME & ADDRESS OF UNIT OWNER: St. Lukes Lutheran School, Rush St.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: School

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1125 feet southeast of the well

APPENDIX C







SURVEYOR: Moyer
SURVEY DATE: 08-11-93

ADDRESS: Village of Itasca

100 N. Walnut Itasca, IL 60143

AGENCY WELL NO: 20758
WELL NAME & DESC: Well #8

TREATMENT APPLICATION POINT: 03

FACILITY NO. & NAME: 0430500 - Itasca FACILITY PHONE CONTACT: 708-773-5571

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 40N, 10E, 12, 4H

DISTANCE FROM CORNER: 500S, 2140W

QUAD SHEET CODE & NAME: 033A - Lombard

MIN. SETBACK: 200 feet

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: E- Uniform, relatively impermeable silty or clayey till at least 50 feet thick; no evidence of interbedded sand and gravel.

AGE OF WELL: 1965 WELL DEPTH: 115 feet CASING DEPTH: 110

AQUIFER CODE: 0101 - Sand & Gravel

MULTPLE AQUIFER (Y,N): Yes

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting of

commercial/industrial businesses.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-09

NAME & ADDRESS OF UNIT OWNER: Barham Company, 1520 Ardmore, Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown Business

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1325 feet east of the well

WELL NO. - MAP CODE - CLASSF*: 20758-10

NAME & ADDRESS OF UNIT OWNER: Schmidt Cartage Inc., Baker Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1300 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-11

NAME & ADDRESS OF UNIT OWNER: Unknown, 750 Baker Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 800 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-12-OS

NAME & ADDRESS OF UNIT OWNER: K & K Screw Products, 730 Baker Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Screw machine products, 2 registered underground storage tanks on site OSFM #2-023598

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 650 feet southeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

CC = CERTIFIED

XI = UNKNOWN

OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-13

NAME & ADDRESS OF UNIT OWNER: Solberg Manufacturing, Baker Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 400 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-14

NAME & ADDRESS OF UNIT OWNER: J.J. McIlwee Co., Ardmore Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1300 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-15

NAME & ADDRESS OF UNIT OWNER: Contract System Installators Inc., 749 Baker Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1075 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-16

NAME & ADDRESS OF UNIT OWNER: Jansen-Soulders Ass. Inc., Baker Dr., Itasca, Il

60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 700 feet southeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

PS = POTENTIAL SECONDARY OS = POTENTIAL SECONORI = ROUTE

WELL NO. - MAP CODE - CLASSF*: 20758-17

NAME & ADDRESS OF UNIT OWNER: Peacock Engineering Co., District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Contract Packaging and Assembly

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1300 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-18

NAME & ADDRESS OF UNIT OWNER: Marshalls (closed), 700 District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Closed Warehouse

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 975 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-19

NAME & ADDRESS OF UNIT OWNER: ITW Buildex, Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 800 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-20

NAME & ADDRESS OF UNIT OWNER: Unknown, 731 District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1475 feet southeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-21

NAME & ADDRESS OF UNIT OWNER: Systems Limited Inc., 701 District Dr., Itasca, Il

60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1325 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20758-22

NAME & ADDRESS OF UNIT OWNER: Amco Industries Inc., 625 District Dr., Itasca, Il

60143

DESCRIPTION AND COMMENTS: Manufacture pumps and compressors

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1200 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20758-23

NAME & ADDRESS OF UNIT OWNER: Unknown, Rohlwing Rd., Itasca, IL 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1125 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-24

NAME & ADDRESS OF UNIT OWNER: Zellerbach Co.-Mead, Bryn Mawr Ave., Itasca, Il

60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1625 feet south of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

CC = CERTIFIED

XI = UNKNOWN

OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-25

NAME & ADDRESS OF UNIT OWNER: Imperial Eastman, Rohlwing Rd., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2100 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20758-26

NAME & ADDRESS OF UNIT OWNER: Quill's Office Furniture, Hollywood Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Office furniture

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2300 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-27

NAME & ADDRESS OF UNIT OWNER: KDA Kitchen Cabinets, 751 N. Rohlwing Rd., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Kitchen cabinets

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2400 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-28

NAME & ADDRESS OF UNIT OWNER: KDA Kitchen Cabinets (warehouse), Hollywood Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Kitchen cabinet warehouse

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2700 feet southeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-29

NAME & ADDRESS OF UNIT OWNER: Bryn Mawr Business Park, Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Businesses

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2100 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20758-30

NAME & ADDRESS OF UNIT OWNER: Hendrichsen & Company Inc., 1070 W. Admore Ave.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3000 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-31

NAME & ADDRESS OF UNIT OWNER: Town & Country Distributors, 1050 Hollywood Ave.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: Distributor

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2900 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-32

NAME & ADDRESS OF UNIT OWNER: Johnson Controls Inc., Hollywood Ave., Itasca, IL

60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3200 feet southeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE

CC = CERTIFIED CC = CERTIFIED

XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-33

NAME & ADDRESS OF UNIT OWNER: Virco Manufacturing Co., 950 Hollywood Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3100 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-34

NAME & ADDRESS OF UNIT OWNER: Concentives Inc., Hollywood Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3475 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20758-35

NAME & ADDRESS OF UNIT OWNER: Nestle, Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Candy Company

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3100 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20758-36

NAME & ADDRESS OF UNIT OWNER: Bryn Mawr Business Park, Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2700 feet south of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-37

NAME & ADDRESS OF UNIT OWNER: Boise Cascade Office Products, 800 Byrn Mawr Ave.,

Itasca, Il 60143

DESCRIPTION AND COMMENTS: Office Products

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3250 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 20758-38

NAME & ADDRESS OF UNIT OWNER: Mitsubishi Tools, Rt. 19, Itasca, IL 60143

DESCRIPTION AND COMMENTS: Tools Manufacturing

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3400 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 20758-39

NAME & ADDRESS OF UNIT OWNER: U.S. Post Office, Rt. 19, Itasca, IL 60143

DESCRIPTION AND COMMENTS: Post Office

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3000 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 20758-40

NAME & ADDRESS OF UNIT OWNER: Hi-Cone Div. Il. Tool Works, 1140 W. Bryn Mawr

Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Plastic packaging systems

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2150 feet southwest of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OP = POTENTIAL PRIMARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-41

NAME & ADDRESS OF UNIT OWNER: Amoco Oil Co., Irving Park Rd. & Rt. 53, Itasca, Il 60143

DESCRIPTION AND COMMENTS: Service station, 3 registered underground storage tanks on site OSFM #2-022798

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2300 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 20758-42

NAME & ADDRESS OF UNIT OWNER: Mobil Oil Corp., 1150 W. Irving Park Rd., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Service station, 4 registered underground storage tanks on site OSFM #2-027422

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2350 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 20758-43

NAME & ADDRESS OF UNIT OWNER: Wickes Furniture, 1200 Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Furniture store

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1550 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 20758-44

NAME & ADDRESS OF UNIT OWNER: Exel Industries, Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1450 feet south of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 20758-45

NAME & ADDRESS OF UNIT OWNER: unknown, Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 700 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20758-46

NAME & ADDRESS OF UNIT OWNER: Ellis Corp., 1400 W. Bryn Mawr Ave., Itasca, IL

DESCRIPTION AND COMMENTS: Laundry equipment & power centrifugals

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 400 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20758-47

NAME & ADDRESS OF UNIT OWNER: Majestic Screw & Bolt, Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Screw & bolt company

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 100 feet south of the well



SURVEYOR:

Moyer

SURVEY DATE: 08-11-93

ADDRESS:

Village of Itasca

100 N. Walnut

Itasca, IL 60143

AGENCY WELL NO: 00327

WELL NAME & DESC: Well #9

TREATMENT APPLICATION POINT:

FACILITY NO. & NAME: 0430500 - Itasca FACILITY PHONE CONTACT: 708-773-5571

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 40N, 11E, 06, 6B

DISTANCE FROM CORNER: NA

QUAD SHEET CODE & NAME: 033A - Lombard

MIN. SETBACK: 200 feet

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: E- Uniform, relatively impermeable silty or clayey till at least 50 feet thick; no evidence of interbedded sand and gravel.

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING:

AGE OF WELL: 1983 WELL DEPTH: 105 feet CASING DEPTH: NA AQUIFER CODE: NA

MULTPLE AQUIFER (Y,N):

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting of commercial/industrial businesses.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

XI = UNKNOWN

OR = ROUTE

CC = CERTIFIED

OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-01

NAME & ADDRESS OF UNIT OWNER: National Salt Supply Inc., ESSROC Mat. Inc., Huron

Cements, 1550 Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Salt Processing, Unknown Businesses, Cement Molding

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2900 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 00327-02

NAME & ADDRESS OF UNIT OWNER: Unknown, 690 Hilltop Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y, N): Yes

DISTANCE AND DIRECTION: 3250 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 00327-03

NAME & ADDRESS OF UNIT OWNER: P.C. Plastics, 701 Hilltop Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Plastic company

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2800 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-04

NAME & ADDRESS OF UNIT OWNER: Aericable, 700 Hilltop Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3200 feet northeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

CC = CERTIFIED

XI = UNKNOWN

OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-05

NAME & ADDRESS OF UNIT OWNER: Polaris Industries (closed), 751 Hilltop Dr.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: Automatic flush valves and ground hydrant

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3000 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-06

NAME & ADDRESS OF UNIT OWNER: Unknown, 740 Hilltop Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3350 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-07

NAME & ADDRESS OF UNIT OWNER: Westlake Industries Pharmagraphics, 800 Hilltop Dr.,

Itasca, Il 60143

DESCRIPTION AND COMMENTS: Pharmaceutical packaging

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3325 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-08

NAME & ADDRESS OF UNIT OWNER: MAAC, 801 Hilltop Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3100 feet northeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OP = POTENTIAL PRIMARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE

CC = CERTIFIED CC = CERTIFIED

XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-09

NAME & ADDRESS OF UNIT OWNER: Barham Company, 1520 Ardmore, Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown Business

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 3050 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-10

NAME & ADDRESS OF UNIT OWNER: Schmidt Cartage Inc., Baker Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2800 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-11

NAME & ADDRESS OF UNIT OWNER: Unknown, 750 Baker Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2600 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-12

NAME & ADDRESS OF UNIT OWNER: K & K Screw Products, 730 Baker Dr., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Screw machine products, 2 registered underground storage tanks on site OSFM #2-023598

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2550 feet northeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-13

NAME & ADDRESS OF UNIT OWNER: Solberg Manufacturing, Baker Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2450 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-14

NAME & ADDRESS OF UNIT OWNER: J.J. McIlwee Co., Ardmore Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2500 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-15

NAME & ADDRESS OF UNIT OWNER: Contract System Installators Inc., 749 Baker Dr.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2350 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-16

NAME & ADDRESS OF UNIT OWNER: Jansen-Soulders Ass. Inc., Baker Dr., Itasca, Il

60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2175 feet northeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

CC = CERTIFIED

XI = UNKNOWN

OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-17

NAME & ADDRESS OF UNIT OWNER: Peacock Engineering Co., District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Contract Packaging and Assembly

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2150 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-18

NAME & ADDRESS OF UNIT OWNER: Marshalls (closed), 700 District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Closed Warehouse

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1775 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-19

NAME & ADDRESS OF UNIT OWNER: ITW Buildex, Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1700 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-20

NAME & ADDRESS OF UNIT OWNER: Unknown, 731 District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1600 feet northeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-21

NAME & ADDRESS OF UNIT OWNER: Systems Limited Inc., 701 District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1450 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-22

NAME & ADDRESS OF UNIT OWNER: Amco Industries Inc., 625 District Dr., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Manufacture pumps and compressors

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1300 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-23

NAME & ADDRESS OF UNIT OWNER: Unknown, Rohlwing Rd., Itasca, IL 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1050 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-24

NAME & ADDRESS OF UNIT OWNER: Zellerbach Co.-Mead, Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 825 feet northeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-25

NAME & ADDRESS OF UNIT OWNER: Imperial Eastman, Rohlwing Rd., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 400 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-26

NAME & ADDRESS OF UNIT OWNER: Quill's Office Furniture, Hollywood Ave., Itasca, Il

DESCRIPTION AND COMMENTS: Office furniture

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 750 feet east of the well

WELL NO. - MAP CODE - CLASSF*: 00327-27

NAME & ADDRESS OF UNIT OWNER: KDA Kitchen Cabinets, 751 N. Rohlwing Rd., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Kitchen cabinets

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1050 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-28

NAME & ADDRESS OF UNIT OWNER: KDA Kitchen Cabinets (warehouse), Hollywood Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Kitchen cabinet warehouse

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1150 feet east of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-29

NAME & ADDRESS OF UNIT OWNER: Bryn Mawr Business Park, Bryn Mawr Ave., Itasca, IL

DESCRIPTION AND COMMENTS: Businesses

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 200 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-30

NAME & ADDRESS OF UNIT OWNER: Hendrichsen & Company Inc., 1070 W. Admore Ave.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1375 feet east of the well

WELL NO. - MAP CODE - CLASSF*: 00327-31

NAME & ADDRESS OF UNIT OWNER: Town & Country Distributors, 1050 Hollywood Ave.,

Itasca, IL 60143

DESCRIPTION AND COMMENTS: Distributor

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1150 feet east of the well

WELL NO. - MAP CODE - CLASSF*: 00327-32

NAME & ADDRESS OF UNIT OWNER: Johnson Controls Inc., Hollywood Ave., Itasca, IL

60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1200 feet southeast of the well

*CLASSF KEY

OUTSIDE MIN. ZONE MIN. ZONE

MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

OR = ROUTE RI = ROUTE CC = CERTIFIED CC = CERTIFIED XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-33

NAME & ADDRESS OF UNIT OWNER: Virco Manufacturing Co., 950 Hollywood Ave., Itasca,

Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 800 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-34

NAME & ADDRESS OF UNIT OWNER: Concentives Inc., Hollywood Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1050 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 00327-35

NAME & ADDRESS OF UNIT OWNER: Nestle, Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Candy Company

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 550 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 00327-36

NAME & ADDRESS OF UNIT OWNER: Bryn Mawr Business Park, Bryn Mawr Ave., Itasca, Il

DESCRIPTION AND COMMENTS: Unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 175 feet southeast of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE
CC = CERTIFIED CC = CERTIFIED
XI = UNKNOWN OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-37

NAME & ADDRESS OF UNIT OWNER: Boise Cascade Office Products, 800 Byrn Mawr Ave.,

Itasca, Il 60143

DESCRIPTION AND COMMENTS: Office Products

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 600 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 00327-38

NAME & ADDRESS OF UNIT OWNER: Mitsubishi Tools, Rt. 19, Itasca, IL 60143

DESCRIPTION AND COMMENTS: Tools Manufacturing

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1100 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 00327-39

NAME & ADDRESS OF UNIT OWNER: U.S. Post Office, Rt. 19, Itasca, IL 60143

DESCRIPTION AND COMMENTS: Post Office

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1400 feet west of the well

WELL NO. - MAP CODE - CLASSF*: 00327-40

NAME & ADDRESS OF UNIT OWNER: Hi-Cone Div. Il. Tool Works, 1140 W. Bryn Mawr

Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Plastic packaging systems

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 300 feet northwest of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

XI = UNKNOWN

OR = ROUTE

CC = CERTIFIED

OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-41

NAME & ADDRESS OF UNIT OWNER: Amoco Oil Co., Irving Park Rd. & Rt. 53, Itasca, Il 60143

DESCRIPTION AND COMMENTS: Service station, 3 registered underground storage tanks on site OSFM #2-022798

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1100 feet northwest of the well

WELL NO. - MAP CODE - CLASSF*: 00327-42

NAME & ADDRESS OF UNIT OWNER: Mobil Oil Corp., 1150 W. Irving Park Rd., Itasca, Il 60143

DESCRIPTION AND COMMENTS: Service station, 4 registered underground storage tanks on site OSFM #2-027422

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1300 feet northwest of the well

WELL NO. - MAP CODE - CLASSF*: 00327-43

NAME & ADDRESS OF UNIT OWNER: Wickes Furniture, 1200 Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Furniture store

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1000 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 00327-44

NAME & ADDRESS OF UNIT OWNER: Exel Industries, Bryn Mawr Ave., Itasca, Il 60143 DESCRIPTION AND COMMENTS: Unknown.

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1075 feet north of the well

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

CC = CERTIFIED

XI = UNKNOWN

OX = UNKNOWN

WELL NO. - MAP CODE - CLASSF*: 00327-45

NAME & ADDRESS OF UNIT OWNER: unknown, Bryn Mawr Ave., Itasca, Il 60143

DESCRIPTION AND COMMENTS: unknown

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1700 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 00327-46

NAME & ADDRESS OF UNIT OWNER: Ellis Corp., 1400 W. Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Laundry equipment & power centrifugals

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2050 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 00327-47

NAME & ADDRESS OF UNIT OWNER: Majestic Screw & Bolt, Bryn Mawr Ave., Itasca, IL 60143

DESCRIPTION AND COMMENTS: Screw & bolt company

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2400 feet north of the well



APPENDIX D



TTASCA	
34 10500	
- A 11 11 0 14	

VILLASE HALL	IL 60143 "	SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 D TO NA SCREEN MATL: 0 - NOT APPLICABLE SILURIAN SYSTEM	NATIONAL SERIES NAT SENTING AT E END 3LOOMINGDALE ROAD STATUS: ACTIVE GACKUP DAILLED DEPTH(FT): 193 TIMILITY - LAND GURIAL: C1 SUSCEPTIBILITY - LAND SYREADING: MINIMUM SETBACK(FT): 0400 3.33 ALTITUDE METHOD CODE: - UNKNOWN 1.33 - N/A SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 DEPTH TO GOT (FT): 0.00 2.30 - N/A SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 DEPTH TO GOT (FT): 0.00 3.31 - N/A SCREEN MATL: 0 - NOT APPLICABLE DEPTH TO TOP (FT): 0.00 DEPTH TO GOT (FT): 0.00 3.32 SILUATAM DOLOMITE ALEYANDRIAN SERIES NARAUGETA TROUP	STATUS: ACTIVE STATUS: ACTIVE STATUS: ACTIVE STATUS: ACTIVE SACKUP DRILLED DEPTH(FT): 115
1	90527 WELL 9 S SE LATETUDE: 841 54 4 5 15 15 15 15 15 15 15 15 15 15 15 15 1		E: N41 SE 0 1.1LLITY - L 0.00 1.1LLITY - L 0.10 1.1/A 0.10 1.1/A NA240ARAN NA240AET	# = LL 3 AT 3



PAGE: 1.

ITASCA FACTURERY: 0430500 WELL: 3,753 WELL 3 AT 3RYN MAWR AV & HILLTOP DRIVE

A JULFERS: QUATERNARY SYSTEM

1

PLEISTOCENE SERTES

(CONTINUED)

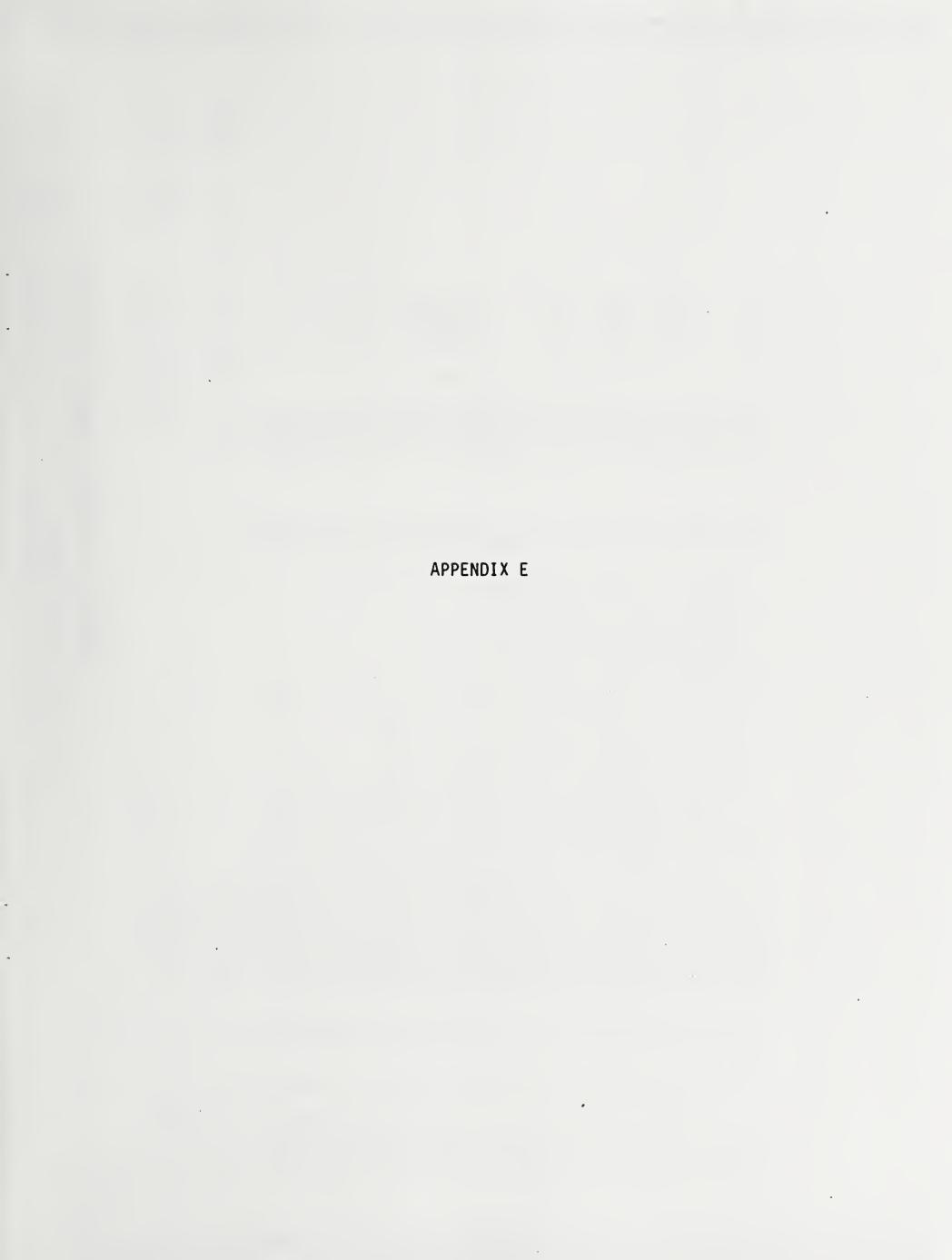
(CONTINUED)

= ALLUVIUM, A MIXTURE OF GRAVEL, SAND, SILT, AND CLAY ALONG STREAMS, VARIABLE IN COMPOSITION AND SUSCENTE TEITY COSES

PERMEABLE BEDROCK WITHIN 20 TO 50 FT OF SURFACE, OVERLAIR BY TILL OR OTHER FINE-SRAINED

= UNIFORM, RELATIVELY IMPERMEABLE SILTY OR CLAYEY TILL AT LEAST 50 FT THICK; NO EVIDENCE OF INTEREDORD SAND AND GRAVEL.







ILLINDIS ENVIRONMENTAL PPOTECTION ASFNEY DIVISIAN DE PUBLIC HATER SUPPLIFE SELECTED SAMPLE EXPANDED REPORT

01/25/54

PAG:: DATE:

LAS SUPERVISOR: PA FUND CODE: P. TPIG BY: P. DELIVEREC -----SJAKON KLU-----RAW WTR TYPE WATER LAB COMPL: 08/2179 COLL DATE: 07/10/9 LAB RCVD: 07/11/9 0.200 \$0.000 \$0.000 DRINK WTR 000.3 10.000 50.000 5000-000 10.000 1000-0001 5000.000 2.000 1030.000 150.000 50.000 0.000 5.000 < 1500.000 COMM: > 000 01 50.000 823.000 RESULT 405.000 461.000 PUBLIC: Y UNITS MG/L M6/L 1/90 1/90 HERCURY, TOTAL UG/L AS NG

SELENTUM, TOTAL RECOVERABLE US/L ASSE

CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL 3Y ICP MG/L

MAGNESIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP MG/L

POTASSIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP MG/L **UG/** 1/50 **U6/L** STRONTIUM, TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP UG/L 1/90 MANGANESE, TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP UG/L 190 BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP BORON, TOTAL RECOVERABLE UG/L AS BANAL BY ICP BERYLLIUM, TOTAL RECOVERABLE UG/L AS GO ANAL BY ICB CHROMIUM, TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB SILVERITOTAL RECOVERABLE UG/L AS AG ANAL BY ICP STATUS: STATUS: IRON. TOTAL RECOVERABLE. UG/L AS FFANAL BY ICP STATJS: VANADIUM, TOTAL RECOVERABLE UG/L ASV ANAL BY I ALUMINUM, TOTAL RECOVERABLE UG/L ASAL ANAL BY COPPER TOTAL RECOVERABLE UG/L AS CU ANAL BY COBALT, FOTAL RECOVERABLE UG/L AS CO ANAL BY CONDUCTIVITY(EC)-LABCUMHOTICM v 25 C RESIDUE, TOTAL FILTERABLE a180 C.MG/L ALKALINITY, TOTAL MG/L AS CACO3 CYANIDE, TOTAL MG/L AS CN ARSENIC, TOTAR RECOVERABLE UG/L AS LEAD, TOTAL RECOVERABLE UG/L AS P3 SULFATE, TOTAL MG/L AS SOG NITRATE & NITRITE TOTAL MG/L AS N HARDNESS FEDTA MG/L AS CACOS COLLECTOR: 6 SULLIVAN COMMENTS: PH LABORATORY UNIT HARDNESS. CALC DESCRIPTION -----STORET-----U : S & V ATNS : 20756 WELL NO SAMPLE NO: 010947800 1-ROUTINE Z 0450550 FACILITY: 1 BV

ILLINDIS ENVIRONMENTAL PEDTECTION AGENCY OLVISION OF PUBLIC WATER SUPPLIES SELECTED SAMPLE EXPANDED REPORT

STILE T COME: T STILE WAS EVEN.	COLL DATE: 03/05/55 DELIVERED CY: LAB RCVD: 03/00/00 LAB SUPERVISOR: SMPL PERIOD: 03/35 FUND CODE:	T DAINK WIR RAW WIR L	> 010.0	0.010 <		0.010 <	>	7	>	O .		>	0.010 < 0.130	>	0.010 <		010	0.010 <	11.500 6.90.000	126.000-	1300.000	000 717	120.000	88.500 312.000	07/10/91 DELIVERED SY:	R CV D: 07/11/91	
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RESULT DRINK WIR 0.330 0.100 < 10.000 71.000 71.000 273.000 0.250 < 4.000 18.000 0.250 < 4.000 18.000 0.250 < 4.000 18.000 0.250 < 4.000 18.000 18.000 0.250 < 4.000 19.000 10.000 242.000 5.000 < 50.000 5.000 < 50.000 5.000 < 50.000 5.000 < 50.000 5.000 < 50.000 1.000 < 50.000 5.000 < 50.000 5.000 < 50.000 5.000 < 50.000 1.000 < 50.000 5.000 < 50.000 6.202 < 5.000 6.202 < 6.000 6.202 < 6.000 6.202 < 6.000 6.202 < 7.000 6.202	20.000 20.000 89.000	COLL DATE: LAS RCVD: LAS COMPL: SMPL PERIOD:	
SELECTION SECRETATION SELECTION SE	<u>ของขนา 137 ขนะเอ Alkalinity Total MG/L AS CACO3</u> ของขนา <u>033 72004 Flow (Pumping) Time Prior to Sampling Min</u> ของขนา <u>033 72019 Depth From Land Surface to Water Surface</u> 030001 <u>040</u> 90410	A 4PLE NO. ZO. MAPL PUAP. ST. ST. ST. ST. ST. ST. ST. ST. ST. ST	

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THE STATE OF THE S	OINTER OF AUTUIN WATER SUPPLIES	SELECTED SAMPLE EXPANDED REPORT

PAGF: 01/25/47

	No. No.	NITROGEN, AMMONIA TOTAL M3/L AS M NITRATE & NITRITE TOTAL M3/L AS M NITRATE & NITRITE TOTAL M3/L AS M PHOSPHORUS, TOTAL MG/L AS P CYANIDE, TOTAL MG/L S CA ANAL SY ICP CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL SY ICP RAGNESTUM, TOTAL RECOVERABLE MG/L AS CA ANAL SY ICP ROTASSIUM, TOTAL RECOVERABLE MG/L AS AS ANAL BY ICP CHLORIDE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP SOBIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COS ALL, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COS ALL, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COS BRITTOTAL RECOVERABLE UG/L AS CO ANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COS ALL, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS FEANAL BY ICP	AESULT DAINK WTR RAW WT 0.530 0.020 0.020 0.010 < 0.200 34.000 67.000 67.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000
10 10 10 10 10 10 10 10	0000001 000000000000000000000000000000	NITRAGEN, AMMONIA TOTAL M3/L AS N NITRATE & NITRITE TOTAL M3/L AS N PHOSPHORUS, TOTAL M6/L AS P CYANIDE, TOTAL M6/L S CN GACCIUM, TOTAL RECOVERABLE M6/L AS CA ANAL 37 ICP SODIUM, TOTAL RECOVERABLE M6/L AS CA ANAL 37 ICP CHLORIDE, TOTAL M6/L AS SO4 FLUARIDE, TOTAL M6/L AS SO4 FRUM, TOTAL RECOVERABLE UG/L AS AS ANAL BY ICP BERYLLIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COMMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COMMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS FSANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS FSANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS FSANAL BY ICP	0.530 0.020 0.020 0.010 < 10 32.000 57.000 57.000 67.000 67.000 67.000 67.000 67.000 67.000 67.000 67.000 67.000 67.000 67.000 67.000
10.001 10.00 10.	0000001 002 000001 0000 000001 0000 00001 00001 0000 00001 00001 0000 00001 00001 0000 00001 000	NITRATE & NITRITE TOTAL MS/L AS N PHOSPHORUS, TOTAL MS/L AS P CYANIDE/TOTAL MS/L S CN CALCIUM/TOTAL RECOVERABLE MG/L AS CA ANAL BY IC SODIUM/TOTAL RECOVERABLE MS/L AS CA ANAL BY IC CHLORIDE/TOTAL RECOVERABLE MS/L AS NA ANAL BY ICP POTASSIUM/TOTAL RECOVERABLE MS/L AS NA ANAL BY ICP CHLORIDE/TOTAL MG/L AS SO4 FLUORIDE/TOTAL MG/L AS SO4 SILICA/TOTAL MG/L AS SO4 SILICA/TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP BARIUM/TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP CADMIUM/TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COMMIUM/TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COBPER/TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER/TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON/TOTAL RECOVERABLE UG/L AS PE	67 000 67 000 67 000 67 000 67 000 67 000 61 000 61 000 61 000 61 000 61 000 61 000 61 000 61 000 61 000 61 000
10 10 10 10 10 10 10 10	0.00001 00.5 0.0000000000000000000000000	CYANIDE, TOTAL MG/L AS CA ANAL BY ICP CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP MAGNESIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP SODIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP CHLORIDE, TOTAL RECOVERABLE MG/L AS ANAL BY ICP CHLORIDE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL MG/L AS SJ4 ANAL BY ICP SILICA, TOTAL RECOVERABLE UG/L AS BANAL BY ICP SPRIUM, TOTAL RECOVERABLE UG/L AS BANAL BY ICP CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS FEANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS PE	67.000 67.000 67.000 67.000 61.000 61.000 61.000 61.000 61.000 61.000 61.000
10 10 10 10 10 10 10 10	0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000	CALCIUM, TOTAL RECOVERABLE 46/L AS CA ANAL BY IC SODIUM, TOTAL RECOVERABLE 46/L AS CA ANAL BY IC SODIUM, TOTAL RECOVERABLE 43/L AS NA ANAL BY ICP POTASSIUM, TOTAL RECOVERABLE 43/L AS K ANAL BY ICP CHLORIDE, TOTAL MG/L AS SO4 FLUORIDE, TOTAL MG/L AS FENAL BY ICP BARIUM, TOTAL RECOVERABLE UG/L AS BANAL BY ICP CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS FEANAL BY ICP	54.000 57.000 57.000 61.000 61.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000
10 10 10 10 10 10 10 10	0.00001 00001 0000000000000000000000000	MAGNESTUM-TOTAL RECOVERABLE MG/L AS CA ANAL 3Y TO SODIUM-TOTAL RECOVERABLE MG/L AS A ANAL 3Y TO CHLORIDE-TOTAL RECOVERABLE MG/L AS A ANAL BY ICP CHLORIDE-TOTAL MG/L AS SJ4 FLUORIDE-TOTAL MG/L AS SJ4 FLUORIDE-TOTAL MG/L AS SJ6 SILICA-TOTAL MG/L AS S102 ARSENIC-TOTAL MG/L AS S102 ARSENIC-TOTAL RECOVERABLE UG/L AS AS ANAL BY ICP CADMIUM-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON-TOTAL RECOVERABLE UG/L AS FEANAL BY ICP IRON-TOTAL RECOVERABLE UG/L AS FEANAL BY ICP IRON-TOTAL RECOVERABLE UG/L AS PE	67.000 59.000 61.000 61.000 18.000 18.000 19.000 10.000 10.000 10.000 10.000 10.000 10.000
10,000 0.0575 0	0.00001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.0000000000	SODIUM.TOTAL RECOVERABLE MINITOTAL RECOVERABLE MINITOTAL RECOVERABLE MINITOTAL RECOVERABLE MINITOTAL RECOVERABLE MINITOTAL MINITOTAL MINITOTAL MINITOTAL MINITOTAL MINITOTAL RECOVERABLE UG/L AS AS BANLONTOTAL RECOVERABLE UG/L AS BANAL BY ICP BORNIUM.TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM.TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM.TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPERITOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPERITOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPERITOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON.TOTAL RECOVERABLE UG/L AS PE	59.000 61.000 61.000 61.000 18.000 18.000 10.500 0.500 0.500 51.000
10 10 10 10 10 10 10 10	0.00001 0.00000000000000000000000000000	POTASSIUN, TOTAL RECOVER ACLE AGIL AS & ANAL PY ICP CHLORIDE, TOTAL MG/L AS SO4 FLUORIDE, TOTAL MG/L AS SO4 FLUORIDE, TOTAL MG/L AS F SILICA, TOTAL MG/L AS SO ANAL BY ICP BRIUM, TOTAL RECOVERABLE UG/L AS BANAL BY ICP BRIUM, TOTAL RECOVERABLE UG/L AS BANAL BY ICP CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP LOPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS PE	61.000 61.000 61.000 18.000 1.000 1.000 0.500 0.500 51.000
10 10 10 10 10 10 10 10	0.000.000.000.000.000.000.000.000.000.	CHLORIDE, TOTAL MG/L AS CL SULFATE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL MG/L AS SJ4 FLUORIDE, TOTAL MG/L AS SJ02 ARSENIC, TOTAR RECOVERABLE UG/L AS BA ANAL BY ICP BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP BORON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	61.000 61.000 18.000 1.000 29.000 0.500 <
10 07051 FUOTORDETO TOTAL MECL AS STATE 10 07052 FUOTORDETO TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0712 SUSPECTIVE TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0713 SUSPECTIVE TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0713 SUSPECTIVE TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE TOTAL MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500 10 0715 SUSPECTIVE MECOWERALE USELAS STANLEY TEP 0.500	0000001 012 000000000000000000000000000	SULFATE, TOTAL MG/L AS SO4 SILICA, TOTAL MG/L AS S102 ARSENIC, TOTAR RECOVERABLE UG/L AS AS BARILLUM, TOTAL RECOVERABLE UG/L AS BANAL BY ICP SERYLLIUM, TOTAL RECOVERABLE UG/L AS BANAL BY ICP CAOMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CAOMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	18.000 18.000 1.000 29.000 0.500 51.000
10.35 1.00		FLUORIDE, TOTAL MG/L AS F SILICA, TOTAL MG/L AS S102 ARSENIC, TOTAR RECOVERABLE UG/L AS AS BARIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP BORON, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP CAOMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP CAOMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	18.000 1.000 29.000 0.500 <
10 10 10 10 10 10 10 10	0.00001 012 010002 0.00001 012 010002 0.00001 014 010002 0.00001 014 01002 0.00001 014 01002 0.00001 020 01003 0.00001 020 01003 0.00001 020 01003 0.00001 020 01003 0.00001 020 01003	SILICA, TOTAL MG/L AS S102 ARSENIC, TOTAR RECOVERABLE UG/L AS AS BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP BORON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICE CAOMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP	18.000 29.000 1000 0.500 <
10.00 1.00 2.00	0.00001 014 01002 0.00001 014 01002 0.00001 014 01002 0.00001 014 01002 0.00001 020 01003 0.00001 020 01043 0.00001 024 01043 0.00001 024 01043 0.00001 024 01043	ARSENIC, TOTAR RECOVERABLE UG/L AS AS ANAL BY ICP BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICE CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICE CHROMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS FEANAL BY ICP	1.000 50. 29.000 1000. 0.500 < 51.000
11 11 11 11 11 11 11 1	000001 014 01002 000001 015 01002 000001 015 01023 000001 020 01034 000001 020 01034 000001 020 01034 000001 022 01038 000001 022 01038	BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP BORON, TOTAL RECOVERABLE UG/L AS BE ANAL BY IC CAOMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICE CAOMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICE COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP IRON, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS FEANAL BY ICP	29.000 TOUC.
11 11 11 11 11 11 11 1	000001 015 01012 000001 015 01022 000001 015 01023 000001 020 01034 000001 020 01042 000001 024 01042 000001 025 01042 000001 025 01042	BERYLLIUM. TOTAL RECOVERABLE UG/L AS BE ANAL BY ICOBORON. TOTAL RECOVERABLE UG/L AS BEANAL BY ICOCHROMIUM. TOTAL RECOVERABLE UG/L AS CO ANAL BY ICECOSALT. TOTAL RECOVERABLE UG/L AS CO ANAL BY ICOCOPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICOCOPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICOCOPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICOCOPPEN, TOTAL RECOVERABLE UG/L AS FEANAL BY ICOCOPPEN, TOTAL RECOVERABLE UG/L AS PE	51.000 51.000
10 10 20 20 20 20 20 20	000001 018 01022 000001 018 01034 000001 020 01042 000001 022 01043 000001 022 01043 000001 024 01087	SORON-TOTAL RECOVERABLE UG/L AS B ANAL BY ICP CADMIUM-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICE CHROMIUM-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICB COSALT-TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP IRON-TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP IRON-TOTAL RECOVERABLE UG/L AS FSANAL BY ICP LEAD-TOTAL RECOVERABLE UG/L AS PE	51.000
11 11 11 11 11 11 11 1	00 0 0 1 0 1 2 0 1 0 0 2 2 0 0 1 0 0 2 2 0 0 1 0 0 2 2 0 0 1 0 0 2 2 0 0 1 0 0 2 2 0 0 1 0 0 0 0	CADMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL 3Y ICS CHROMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICB COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP IRON, TOTAL RECOVERABLE, UG/L AS FSANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS PS	
10 10 10 10 10 10 10 10	000001 018 01084 000000 000000 00000 0000	CHROMIUNATOTAL RECOVERABLE UGAL ASCRANAL BY ICE COSALTATOTAL RECOVERABLE UGAL AS CO ANAL BY ICP COPPERATOTAL RECOVERABLE UGAL AS CU ANAL BY ICP IRONATOTAL RECOVERABLE, UGAL AS FEANAL BY ICP LEADATOTAL RECOVERABLE UGAL AS PE	00.01
10 10 10 10 10 10 10 10	0000001 020 01045 000001 020 01045 000001 022 01045 000001 022 01045 000001 024 01067 000001 025 01082	COSALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP COPPER, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP IRON, TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP LEAD, TOTAL RECOVERABLE UG/L AS PE	-000 < \$0-00
10 10 10 10 10 10 10 10	000001 020 01042 000001 022 01051 000001 024 01051 000001 024 01067 000001 025 01082	COPPER, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP IRON, TOTAL RECOVERABLE, UG/L AS FEANAL RY ICP LEAD, TOTAL RECOVERABLE UG/L AS PE	> 000
1915 1915 1800, 1014 1800, 1014 1800, 1014 1800, 1015 1915	25 coul 022 01055 coups of 022 01055 coups of 022 01055 coups of 025 c	IRON, TOTAL RECOVERABLE, UG/L AS FEANAL RY ICP LEAD, TOTAL RECOVERABLE UG/L AS PE	61.000 5.000
100 102 1010 102 1	0.00001 0.22 0.1051 0.000 0.00	LEAD, TOTAL RECOVERABLE UG/L AS PE	5 29 000 1000
10.011 10.5 0.10.5 MANGARISEEZ FORCERANIE UGLI, AS MANAL BY ICP 57.000 70.000 7	0.00.0.01 0.23 01.055 0.00.055 0.00.001 0.001 0.00.001 0.001 0.00.001 0.00.001 0.00.001 0.00.001 0.00.001 0.00.	The state of the s	.000 < 50.
10.00 0.24 0.04 0.05	000001 024 01067 00001 025 01082 01082 01082 01082 01082 01082 01082 01082 01082 01082 01082 01082 01082	MANGANESE, TOTAL RECOVERABLE UG/L AS MN ANAL BY IC	150
10.00 10.0	50 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	NICKEL, TOTAL RECOVERABLE UG/L AS NI ANAL BY	
19 19 19 19 19 19 19 19	<u> </u>	SILVER, TOTAL RECOVERABLE UG/L AS AG ANAL ST ILP	
100001 22 1105 2100000000000000000000000000000000000	000001 027 01082 000001 025 01092	STRONTIUM, TOTAL RECOVERABLE UG/L AS SR ANAL BY IC	2000
100000 255 201972 2100000 2100000 210000 210000 210000 210000 210000 210000 2100000 210000 210000 210000 210000 210000 210000 2100000 210000 210000 210000 210000 210000 210000 2100000 210000 210000 210000 210000 210000 210000 2100000 210000 210000 210000 210000 210000 210000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 2100000 21000000 2100000 210000000000	260000	VANADIONI DISTRIBUTE TO THE BOAR DE TO	
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19 19 19 19 19 19 19 19	0.000 VID 0.0000	COLENTIAL TOTAL DECOMEDANIE IIGAL ASSE	> 000
1		PARIOTO TOTAL PECONERAPI - 116/1	>
0.00 0.100	70 70	RECTAIR TOTAL ETITERABLE 2180 C	899.000
13.000 034 03010 WATER TEMPERATURE DEG C		AFACUAY, TOTAL US/L AS HG	0.193 < 2.
135 135 135 136	0100 710 1000	MATER TEMPERATURE	13.000
0.0001 0.50 0.00	135 00 58	FLOW (PUMPING) RATE	930.000
1200 127 1940 127 1940 128	60.001 036 000.55	CONDUCTIVITY (EC)-LAB	1250.000
333.000 000001 038 00410 ALKALINITY_TOTAL MG/L AS CACO3 000001 038 00410 FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN 175.000 000001 040 72014 FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN 000001 040 72014 FLOW LAND SURFACE TO WATER SURFACE TO SAMPLING MIN 000001 040 72014 FROM LAND SURFACE TO WATER SURFACE TO SAMPLING MIN 175.0000 175.0000 175.0000 175.0000 175.0000 175.0000 175.0000 175.0000 175.0000 175.0000 1		STINI HO HO	7 200
003001 040 72014 FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN 125.000 90.000 003001 040 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE 1 90.000 0	000000000000000000000000000000000000000	ALKALINITY TOTAL MG/L AS CACO	m
003001 043 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE ' 53001 043 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE ' 53001 043 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE ' 53001 043 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE COLL COLL DATE: 05/18/84 DELIVE COLL CTOR: RAW COLL CTOR: IEPA SMPL COLL CTOR COMPENTS: COLL CTOR: RAW COLL CTOR: IEPA SMPL COLL CTOR ACCETOR COMPENTS: COLL CTOR: RAW COLL CTOR: OF COMPENTS: COLL CTOR: RAW COLL CTOR: OF COMPENTS: COLL CTOR: OF COMPENTS: COMPENT	71077	FLOW (PUMPING) TIME PRIOR TO SAMPLING MI	125.000
328.000 341 3041 3041 328.000 328.	000001 040 72019	DEPTH FROM LAND SURFACE TO WATER SURFACE	90.000
COLL DATE: 05/18/84 DELIVE SOLICE AND COLLECTOR: WELL LAB RCVD: 03/00/00 LAB SUPE LAB CONDENS LAB CONDENS LAB CONDENS LAB CONDENS SOLICE LAB CONDENS LAB CONDENS SOLICE LAB CONDENS LAB CONDENS LAB CONDENS SON SON SON SON SON SON SON SON SON SON	00001 041 0041)		
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ILLINOIS ENVIRONALNTAL PROTECTION A FNCY DIVISION OF PUBLIC WITER SUPPLIFY SELECTED SAMPLE EXPANDED REPORT

A DOULER TRANSPORT

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APPENDIX F



ITASCA

The village of Itasca (7948) installed a public water supply in 1926. Four wells (Nos. 3, 5, 8, and 9) are in use. This supply is also cross connected with the city of Wood Dale. In 1949 there were 325 services, all metered; the estimated average and maximum pumpages were 48,000 and 52,000 gpd, respectively. In 1984 there were 1854 services, all metered; the average pumpage was 949,470 gpd. The water is chlorinated, fluoridated, and treated with polyphosphate to keep iron in solution.

WELL NO. 1 was completed in 1925 to a depth of 800 ft (plugged to 200 ft in 1936) by the W. L. Thorne Co., Des Plaines. This well was abandoned in 1936 and sealed in 1958. The water-yielding units penetrated when this well was drilled were the Midwest Aquigroup (Galena and Platteville Groups and the Glenwood-St. Peter Sandstone). The well was located at the southeast corner of Willow and Center Sts., approximately 2100 ft S and 90 ft E of the NW corner of Section 8, T40N, R11E. The land surface elevation at the well is approximately 700 ft.

A drillers log of Well No. 1 follows:

Strata	Thickness (ft)	Depth (ft)
Mostly clay	86	86
Shale and limestone, no water	258	344
Limestone and sand rock formation, hard		
and tight, very little water	456	800

The well was cased with 10-in, pipe from land surface to a depth of 86 ft and 8-in, pipe from 86 ft to a depth of 430 ft. Below the casing, the hole was finished 6 in, in diameter to the bottom.

Upon completion, it was reported that only 45 gpm was obtained and that the well was shot in the dolomite without increasing its yield.

In 1936, the production rate had dropped to 25 gpm and the pump frequently broke suction. The well was then plugged at a depth of 200 ft.

A mineral analysis of a sample (Lab. No. 57920) collected December 15, 1926, showed the water to have a hardness of 327 mg/l, total dissolved minerals of 491 mg/l, and an iron content of 0.2 mg/l.

WELL NO. 2, open to dolomite of the Upper Bedrock Aquigroup (Silurian System), was completed in 1936 to a depth of 184 ft by Wayman & Wayman, Arlington Heights. This well was abandoned and sealed in 1958. The well was located about 20 ft west of Well No. 1, approximately 2100 ft S and 70 ft E of

the NW corner of Section 8, T40N, R11E. The land surface elevation at the well is approximately 700 ft.

A drillers log of Well No. 2 follows:

Strata	Thickness (ft)	Depth (ft)
Soil and clay	83	83
Niagaran lime, very limey and medium hard	47	130
Same, shattered and broken	54	184

An 8-in. diameter hole was drilled to a depth of 184 ft. The well was cased with 8-in. pipe from within the pump base to a depth of 85 ft.

On November 17, 1937, the nonpumping water level was reported to be 50 ft.

On June 12, 1939, the well reportedly produced 80 gpm for several minutes with a pumping water level below 170 ft from a nonpumping water level of 62 ft.

Nonpumping water levels were reported to be 62 ft on October 18, 1957, and 68 ft in March 1958.

A mineral analysis of a sample (Lab. No. 110329) collected May 16, 1947, after pumping for 2 hr at 50 gpm, showed the water to have a hardness of 333 mg/l, total dissolved minerals of 593 mg/l, and an iron content of 0.2 mg/l.

WELL NO. 3, open to dolomite of the Upper Bedrock Aquigroup (Silurian System), was completed in 1939 to a depth of 200 ft by Wayman & Wayman. Arlington Heights. The well is located on the south side of Orchard St. between Walnut and Elm Sts., approximately 2450 ft S and 1500 ft E of the NW corner of Section 8, T40N, R11E. The land surface elevation at the well is approximately 690 ft.

A 12-in. diameter hole was drilled to a depth of 200 ft. The well is cased with 12-in. wrought iron pipe from about 1 ft above land surface to a depth of 90 ft.

In 1940, the well reportedly produced 500 gpm with a drawdown of 15 ft from a nonpumping water level of 2 ft below the pump base.

On May 6, 1947, after 10 min of pumping at a rate of 350 gpm, the drawdown was 20 ft from a non-pumping water level of 2 ft below the pump base.

Nonpumping water levels were reported to be 10 ft in October 1950; 7 ft in March 1958; 13 ft in March 1961; 50 ft on April 13, 1964; 61 ft in December 1968; 60 ft in April 1970; 30 ft in 1972 and 1973; 29 ft in 1974 and 26 ft in 1975.

On May 2, 1975, this well was acidized by the Layne-Western Co., Aurora.

In 1976, the well reportedly produced 500 gpm with a drawdown of 20 ft from a nonpumping water level of 32 ft.

On July 9, 1979, the nonpumping water level was reported to be 54 ft.

In 1984, after pumping at a rate of 500 gpm, the drawdown was 25 ft from a nonpumping water level of 38 ft.

The pumping equipment presently installed is a 10in. Layne turbine pump set at 90 ft, rated at 500 gpm, and powered by a 40-hp 1800 rpm U. S. electric motor.

A mineral analysis of a sample (Lab. No. 211320) collected July 9, 1979, after pumping for 1 hr at 500 gpm, showed the water to have a hardness of 452 mg/l, total dissolved minerals of 641 mg/l, and an iron content of 1.0 mg/l.

WELL NO. 4, open to dolomite of the Upper Bedrock Aquigroup (Silurian System), was completed in January 1952 to a depth of 233 ft (later reported to be 216 ft deep) by the Milaeger Well & Pump Co., Brookfield, Wis. This well has been disconnected from the system. The well is located in an annex of the village hall at the northwest corner of Walnut and Line Sts., approximately 2750 ft S and 1200 ft E of the NW corner of Section 8, T40N, R11E. The land surface elevation at the well is approximately 685 ft.

A summary sample study log of Well No. 4 furnished by the State Geological Survey follows:

Strata	Thickness (ft)	Depth (ft)
QUATERNARY SYSTEM		
Pleistocene Series Soil, brownish black; trace till,		
grayish-brown	10	10
Sand and gravel, light gray (gravel	00	20
is shale and chert) Sand and gravel, light gray, green,	20	30
buff (gravel is shale, dolomite,		
and chert) SILURIAN SYSTEM	45	75
Niagaran Series		
Dolomite slightly clayey and silty, some chert, white, fine	15	90
Dolomite, slightly clayey and silty,	15	90
white, light green (at base) fine Alexandrian Series	30	120
Kankakee Formation		
Dolomite, silty, light gray, some		
light pink and green, extra fine	30	150

Strata	Thickness (ft)	Depth (ft)
Dolomite, silty to slightly silty, some glauconite, buff to yellowish-gray, extra fine to very fine, crystalline	80	230
ORDOVICIAN SYSTEM Cincinnatian Series Maquoketa Group Dolomite, clayey, buff, greenish-gray; shale, greenish-gray, yellowish-gray,		
weak	3	233

A 12-in. diameter hole was drilled to a depth of 233 ft. The well is cased with 12-in. steel pipe from about 0.3 in. above the wellhouse floor to a depth of 78 ft.

In 1952, the nonpumping water level was reported to be 63 ft.

In 1962, this well was acidized and the capacity was increased from 175 to 275 gpm.

In December 1968, the nonpumping water level was reported to be 78 ft.

The pumping equipment presently installed is an 8-in., 8-stage American Well Works turbine pump set at 150 ft, rated at 275 gpm at about 230 ft TDH, and powered by a 30-hp 1800 rpm U. S. electric motor (No. 2110031). The well is equipped with 150 ft of airline.

A partial analysis of a sample (Lab. No. 150667) collected September 15, 1959, after pumping for 12 hr. showed the water to have a hardness of 430 mg/l, total dissolved minerals of 570 mg/l, and an iron content of 0.9 mg/l.

WELL NO. 5 was completed in October 1958 to a depth of 190 ft by the Hoover Water Well Service, Zion. The major water-yielding unit in this well is dolomite of the Upper Bedrock Aquigroup (Silurian System). The well also penetrates shale in the upper part of the Maquoketa Group. The well is located at the northwest corner of the park at Irving Park and East Bloomingdale Roads, approximately 1750 ft N and 1900 ft E of the SW corner of Section 8, T40N, R11E. The land surface elevation at the well is approximately 700 ft.

A correlated drillers log of Well No. 5 furnished by the State Geological Survey follows:

Strata	Thickness (ft)	Depth (ft)
QUATERNARY SYSTEM Pleistocene Series Drift	82	82

Strata	Thickness - (ft)	Depth (ft)	
SILURIAN SYSTEM Niagaran and Alexandrian Series Lime ORDOVICIAN SYSTEM	98	180	
Cincinnatian Series Maquoketa Group Shale	10	190	

A 16-in. diameter hole was drilled to a depth of 102 ft and finished 12 in. in diameter from 102 to 190 ft. The well is cased with 16-in. drive pipe from within a concrete pedestal to a depth of 82 ft and 12-in. pipe from about 3 ft above land surface to a depth of 102 ft (cemented in).

Upon completion, after 5.5 hr of pumping at a rate of about 70 gpm, the drawdown was 122 ft from a nonpumping water level of 28 ft below the top of the casing. The well was then acidized and the yield was reported to be 134 gpm.

A production test was conducted by the driller on April 27, 1960. After 2.4 hr of pumping at rates ranging from 132 to 188 gpm, the drawdown was 135 ft from a nonpumping water level of 22 ft. The well was then acidized with 1000 gal of acid.

A production test was conducted by the driller on April 29, 1960. After 7.8 hr of pumping at rates ranging from 198 to 300 gpm, the maximum drawdown was more than 138 ft from a nonpumping water level of 22 ft.

On May 6, 1960, this well was treated with 2000 gal of acid. A production test was then conducted by the driller on May 9-10, 1960. After 24 hr of pumping at rates ranging from 298 to 500 gpm, the final drawdown was 64 ft from a nonpumping water level of 22 ft.

Nonpumping water levels were reported to be 55 ft on April 22, 1963, and 40 ft on April 13, 1964.

On December 20, 1965, the well reportedly produced 425 gpm with a drawdown of 27 ft from a non-pumping water level of 40 ft.

Nonpumping water levels were reported to be 54 ft in December 1966; 45 ft in December 1968; 37 ft in April 1970; 40 ft in June 1971; 50 ft in 1972; 46 ft in 1973, 1974, and 1975; and 55 ft in 1976.

In 1984, after pumping at a rate of 500 gpm, the drawdown was 40 ft from a nonpumping water level of 55 ft.

The pumping equipment presently installed is an 8-in., 23-stage Johnston turbine pump set at 160 ft, rated at 400 gpm at about 300 ft head, and powered by a 40-hp 1800 rpm U. S. Holloshaft electric motor. The well is equipped with 160 ft of airline.

The following mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. C001881) is for a water sample from the well collected November 2, 1977, after 30 min of pumping at 390 gpm.

WELL NO. 5, LABORATORY NO. C001881

		mg/l	me/l			mg/l	me/l
lron	Fe	2.8		Silica	SiO,	23	
Manganese	Mn	0.03		Fluoride	F	0.4	0.02
Ammonium	NH,	0.68	0.04	Вогов	В	0.5	
Sodium		30	1.30	Cyanide	CN	0.00	
Potassium	K	3.0	0.08	Nitrate	NO ₃	0.0	0 00
Calcium	Ca 13	50	7.48	Chloride	Cl	41	1.16
Magnesium	Mg 8	32	6.75	Sulfate	SO,	375	7.80
				Alkalinity (a			6.80
Arsenic	As	0.000		, ,	J ^r		
Barium	В	0.0		Hardness (as	CaCO.	716	14.32
Cadmium	Cd	0.00		**	3'		
Chromium	Сг	0.00		Total dissolv	ed		
Соррег	Cu	0.01		minerals		990	
Lead	Pb	0.00					
Mercury	Hg	0.0000					
Nickel	Ni	0.0					
Selenium	Se	0.00					
Silver	Ag	0.00					
Zinc	Zn	0.00		pH (as rec'd)	8 2		

A 6-in. diameter test hole (No. 1-58) was constructed in December 1958 to a depth of 195 ft by the Hoover Water Well Service, Zion. The hole, abandoned after drilling, was located approximately 2650 ft N and 1100 ft E of the SW corner of Section 8, T40N, R11E. The hole was cased with 6-in. pipe from land surface to a depth of 72 ft.

Prior to the construction of Well No. 6, a test hole (No. 2-59) was constructed in March 1959 to a depth of 200 ft by the Hoover Water Well Service, Zion. The hole, capped after drilling, was located approximately 2050 ft S and 2450 ft E of the NW corner of Section 8, T40N, R11E. The hole was cased with 6-in. pipe from land surface to a depth of 71 ft. The test hole reportedly produced 115 gpm for 8 hr with a drawdown of 40 ft from a nonpumping water level of 7 ft.

WELL NO. 6 was completed in September 1959 to a depth of 181 ft by the Hoover Water Well Service, Zion. This well was capped upon completion and never used. The major water-yielding unit in this well is delomite of the Upper Bedrock Aquigroup (Silurian System). The well also penetrates shale in the upper part of the Maquoketa Group. The well is located on the south side of Spring Brook on the Itasca Country Club property about 10 ft west of Test Hole No. 2-59, approximately 2050 ft S and 2440 ft E of the NW corner of Section 8, T40N, R11E. The land surface elevation at the well is approximately 680 ft.

A drillers log of Well No. 6 follows:

Strata	Thickness (ft)	Depth (/l)
Drift	71	71
Limestone	104	175
Shale	6	181

A 24-in. diameter hole was drilled to a depth of 78 ft and finished 19.2 in. in diameter from 78 to 181 ft. The well is cased with 24-in. pipe from land surface to a depth of 78 ft and 20-in. pipe from land surface to a depth of 88 ft (cemented in to 78 ft).

Upon completion, the production of the well was reported to be 75 gpm. On March 9, 1960, after acidizing with 1000 gal of HCl, the well reportedly produced 50 gpm with a drawdown of 113 ft from a non-pumping water level of 7 ft.

WELL NO. 7, open to dolomite of the Upper Bedrock Aquigroup (Silurian System), was completed in April 1965 to a depth of 219 ft by the Shaver Well Drilling Co., Lombard. This well was capped upon completion and never used. The well is located north of Ardmore Ave. at the end of Baker Drive in the industrial district, approximately 1206 ft N and 1624 ft W of the SE corner of Section 1, T40N, R10E. The land surface elevation at the well is approximately 745 ft.

A drillers log of Well No. 7 follows:

Strata	Thickness (ft)	Depth (ft)
Glacial till	115	115
Limestone	99	214
Shale	5	219

A 20-in. diameter hole was drilled to a depth of 120 ft and finished 15.3 in. in diameter from 120 to 219 ft. The well is cased with 20-in. ID pipe from land surface to a depth of 120 ft and 16-in. ID pipe from land surface to a depth of 120 ft (cemented in).

Upon completion, this well was acidized with 9000 gal of 15 percent HCl by Halliburton, and the well reportedly produced 100 gpm after this work.

A 4-in. diameter test hole (No. 2-65) was constructed in May 1965 to a depth of 118 ft by the J. P. Miller Artesian Well Co., Brookfield. The hole was

located approximately 500 ft S and 2140 ft W of the NE corner of Section 12, T40N, R10E.

WELL NO. 8, finished in sand and gravel of the Prairie Aquigroup, was completed in July 1965 to a depth of 115 ft by the J. P. Miller Artesian Well Co., Brookfield. The well is located at 1500 West Bryn Mawr Ave. southwest of Baker Drive in the industrial district at the site of Test Hole 2-65, approximately 500 ft S and 2140 ft W of the NE corner of Section 12, T40N, R10E. The land surface elevation at the well is 739.2 ft.

A drillers log of Well No. 8 follows:

	At difficis log of well too. o tollows.		
	Strata	Thickness (fl)	Depth (ft)
a	Top soil and yellow clay	5	5
¥	Yellow clay	10	15
Š	Blue clay	35	50
Con	Gravel with clay at 52 ft	5	55
9	Gravel and clay, limestone stringer at 55 ft	5	60
	Gravel with clay	5	65
-	Sandy gravel with clay	35	100
	Gravel, clean (complete water loss at 101 ft)	5	105
	Gravel, clean	10	115
	Rock or boulders at 115 ft	3	118

A 42-in. diameter hole was drilled to a depth of 115 ft. The well is cased with 16-in. pipe from about 1.2 ft above land surface to a depth of 100 ft followed by 15 ft of 16-in. No. 125 slot stainless steel screen. The annulus between the bore hole and the casing-screen assembly is filled with concrete from 0 to 20 ft, with impervious fill from 20 to 40 ft, and with gravel from 40 to 115 ft.

A production test using three observation wells was conducted on July 12-13, 1965, by representatives of the driller, the State Water Survey, and Mr. J. Richard Koehler, Consulting Engineer. After 24 hr of pumping at rates ranging from 570 to 630 gpm, the final drawdown was 18.5 ft from a nonpumping water level of 47.5 ft below the top of the casing. Forty-five min after pumping was stopped, the water level had recovered to 56.0 ft.

On December 20, 1965, the well reportedly produced 900 gpm with a drawdown of 15 ft from a non-pumping water level of 47 ft below land surface.

Nonpumping water levels were reported to be 30 ft in December 1966, 36 ft in December 1968, and 52 ft in April 1970.

In June 1971, the well reportedly produced 900 gpm with a drawdown of 10 ft from a nonpumping water level of 52 ft.

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Nonpumping water levels were reported to be 67 ft in 1972, 66 ft in 1973, 67 ft in 1974, 66 ft in 1975, and 73 ft in 1976.

In 1983, this well was reported to be acidized.

In 1984, after pumping at a rate of 700 gpm, the drawdown was 18 ft from a nonpumping water level of 60 ft.

The pumping equipment presently installed is a 7-stage Peerless turbine pump set at 95 ft, rated at 730 gpm at about 109 ft TDH, and powered by a 60-hp 1800 rpm U. S. electric motor. The well is equipped with 95 ft of airline. A 75-hp International natural gas engine is available for auxilliary power.

The following mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. C001563) is for a water sample from the well collected October 11, 1978, after 1 hr of pumping.

WELL NO. 8. LABORATORY NO. C001563

		mg/l	me/l			mg/l	me/l
iron	Fe	2.6		Silica	SiO,	18	
Manganese	Mn	0.06		Fluoride	F	0.7	0.04
Ammonium	NH,	0.72	0.04	Boron	В	0.3	
Sodium	Na	40	1.74	Cyanide	CN	0.00	
Potassium	K	2.6	0.07	Nitrate	NO ₃	0.04	0.00
Calcium	Ca	152	7.58	Chloride	CI	53	1.50
Magnesium	Mg	76	6.26	Sulfate	SO ₄	400	8.32
				Alkalinity (a		312	6.24
Arsenic	As	0.000			3		
Barium	Ba	0.0		Hardness (as	CaCO2)	696	13.92
Cadmium	Cd	0.00			•		
Chromium	Cr	0.00		Total dissolv	red		
Copper	Cu	0.04		minerals		970	
Lead	Pb	0.00					
Mercury	Hg	0.0000					
Nickel	Ni	0.0					
Selenium	Se	0.00					
Silver	Ag	0.00					
Zinc	Zn	0.06		pH (as rec'd)	8.3		

A test well was constructed in July 1981 to a depth of 110 ft by the K & K Well Drilling Co., Mokena. It was located in the SW quarter of the SW quarter of the NE quarter of Section 1, T40N, R10E. A 6-in. diameter hole was drilled to a depth of 110 ft. The test well was cased with 6-in. black pipe from land surface to a depth of 110 ft. Upon completion, the test well reportedly produced 10 gpm for 4 hr with a drawdown of 20 ft from a nonpumping water level of 28 ft below land surface.

A test well was constructed in August 1981 to a depth of 122 ft by the K & K Well Drilling Co., Mokena. This well was used only as an observation well. It was located in the SW quarter of the NW

quarter of the SE quarter of Section 1, T40N, R10E. A 5-in. diameter hole was drilled to a depth of 122 ft. The test well was cased with 5-in. black pipe from land surface to a depth of 122 ft. Upon completion, the test well reportedly produced 10 gpm for 4 hr with a drawdown of 20 ft from a nonpumping water level of 30 ft below land surface.

A well (originally known as Well No. 9), finished in sand and gravel of the Prairie Aquigroup, was completed in March 1982 to a depth of 143 ft by the Layne-Western Co., Aurora. This well was abandoned and sealed in 1982. The well was located about 25 ft southeast of Well No. 7, approximately 1200 ft N and 1600 ft W of the SE corner of Section 1, T40N, R10E. The land surface elevation at the well is approximately 745 ft.

A 20-in. diameter hole was drilled to a depth of 143 ft. No casing was installed in this well.

WELL NO. 9, finished in sand and gravel of the Prairie Aquigroup, was completed in April 1983 to a depth of 105 ft by the Layne-Western Co., Aurora. The well is located about 50 ft south of Bryn Mawr Ave. and 700 ft east of Rohlwing Road, approximately 750 ft S and 3000 ft W of the NE corner of Section 7, T40N, R11E. The land surface elevation at the well is approximately 725 ft.

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	A drillers log of Well No. 9 follows:	CONTINE	
		NO ISAK A	POUIFEICL
	Strata	Thickness (ft)	Depth (ft)
	Black clay	7	7
4	Brown clay	5	12
3	Gray silty clay	12	24
Ŋ	Sand and gravel	2	26
7	Gray silty clay, very sticky	33	59
ó,	Gray silty clay, very sticky White sand and gravel	4	63
•	Gray clay with sand and gravel layers	10	73
	White fine to coarse sand with clay and		
	silt layers	9	82
	White fine sand to coarse gravel	10	92
	White fine sand to small gravel with layers		
	of finer sand and coarser gravel	8	100
	White fine sand to coarse gravel and		
	boulders, trace of silt pockets	5.5	105.5
	Broken limestone	1.5	107

A 24-in. diameter hole was drilled to a depth of 105 ft. The well is cased with 16-in. steel pipe from about 4 ft above land surface to a depth of 81 ft followed by 24 ft of 16-in. No. 70 slot Johnson stainless steel screen. The annulus between the bore hole and casing-screen assembly is filled with neat cement from 0 to 20 ft and with 15 tons of No. 2 Northern gravel from 20 to 105 ft.

A production test using one observation well (No. 8) was-conducted by the driller on April 14-15, 1983.

After 29.2 hr of pumping at rates ranging from 388 to 488 gpm, the maximum drawdown was 29.8 ft from a nonpumping water level of 43.5 ft below land surface. Two hr after pumping was stopped, the water level had recovered to 48.6 ft.

A production test was conducted by the driller on February 14, 1985. After 18 min of pumping at rates ranging from 457 to 403 gpm, the drawdown was 12.5 ft from a nonpumping water level of 58.0 ft. Seven min after pumping was stopped, the water level had recovered to 63.0 ft.

The pumping equipment presently installed is a 10-in., 7-stage Byron Jackson submersible pump (Serial No. 841-C-0404) set at 83 ft, and powered by a 40-hp General Electric motor. The well is equipped with 83 ft of airline.

A partial analysis of a sample (Lab. No. 218498) collected April 15, 1983, showed the water to have a hardness of 465 mg/l, total dissolved minerals of 703 mg/l, and an iron content of 0.58 mg/l.

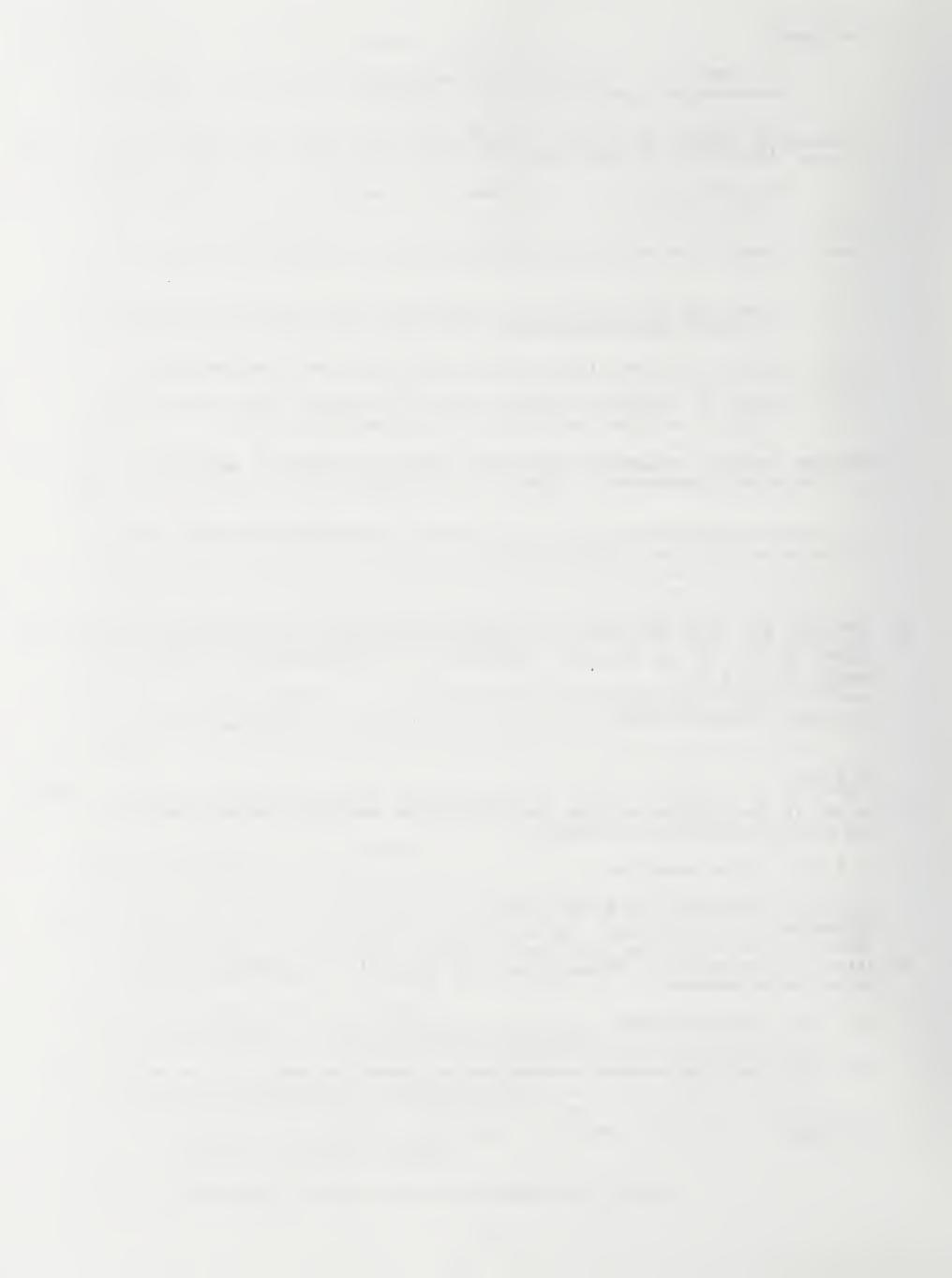
APPENDIX G



Nature of Business Service Station
DLPC Permit Number(s) and Description (e.g., RCRA, Generic, Solid Waste, UIC, etc.): None
DAPC Permit Number(s) and Description: None
DWPC Permit Numbers and Description (e.g., NPDES, Industrial Pre-Treatment, Sewer Plans, etc.): None
ERU Incidents and Description: None
ERU 313 Reports and Description: None
ESDA 302/303 Reports and Description: None
ESDA 311/312 Reports and Description: None
PWS compliance monitoring conducted and describe the results (e.g., VOC/VO sample detects, etc.): None
ISFM list the underground storage tanks registered, provide the owner name address:
Owner Name Address
Fred Hess 102 E. Irving Park, Itasca, IL 60143

12.	is t	ne site sewered or non-sewered? Sewered
	If the	ne site is not sewered, describe:
13.		on-site <u>past</u> or <u>present</u> landfilling, land treating, or surface impoundment aste, other than landscape waste or construction and demolition debrished?
	()	Yes. If yes, describe:
	(x)	No.
14.	Are	there currently any on-site piles of special or hazardous waste?
	()	Yes. If yes, describe:
	(X)	No.
15.		on-site piles of waste (other than special or hazardous wastes) managed rding to Agency guidelines?
	()	Yes. If yes, describe:
	(X)	No.
16.		there <u>currently</u> any underground storage tanks present on-site, and will any ground tanks be installed in the future?
	(x)	Yes. If yes, describe: 4 registered underground storage tanks on site OSFM #2-021186
	()	No.
17(a).	Has any situation(s) occurred at this site which resulted in a "release" of any hazardous substance or petroleum?
		Yes (continue to next question) No (stop here)
(b).	Have any hazardous substances or petroleum, which were released, come into contact with the ground surface at this site? (Notedo not automatically exclude paved or otherwise covered areas that may still have allowed chemical substances to penetrate into the ground.)
		Yes (continue to next question) No (stop here)
(c).	Have any of the following actions/events been associated with the release(s) referred to in question 17(b)?
		() Hiring of a cleanup contractor to remove obviously contaminated materials including subsoils
		() Replacement or major repair of damaged facilities

	()	Assignment of in-house maintenance staff to remove obviously contaminated materials including subsoils
	()	Designation, by IEPA or the ESDA, of a release as "significant" under the Illinois Chemical Safety Act
·	()	Reordering or other replenishment of inventory due to the amount of substance lost
	()	Temporary or more long-term monitoring of groundwater at or near the site
	()	Stop usage of an on-site or nearby water well because of offensive characteristics of the water
	()	Coping with fumes from subsurface storm drains or inside basements
	()	Signs of substances leaching out of the ground along the base of slopes or at other low points on or adjacent to the site
(d).			on-site release(s) <u>may</u> have been of sufficient magnitude to aminate groundwaters. Summarize the problem.
10, pre	000 sent	ga	more than 100 gallons of either pesticides or organic solvents, or allons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe:
10, pre	000 sent) Ye	ga a'	illons of any hazardous substance, or 30,000 gallons of petroleum
10, pre ((X	000 sent) Ye No any	ga a' s.	llons of any hazardous substance, or 30,000 gallons of petroleum t any time?
lo, pre ((X	000 sent) Ye No any exce	ga a's.	Illons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have
lo, pre ((X .9. Do any	000 sent) Ye No any exce	ga s.	Illons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements?
10, pre ((X .9. Do any (X .20. Aft	000 sent) Ye) No any exc) Ye No er c	ga s. of eecs.	Illons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements?
10, pre ((X .9. Do any ((X .20. Aft haz	OOO sent) Ye No any exc) Ye No er c ard) Ye	ga s. of eec s.	Illons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements? If yes, describe: sidering all of the above criteria does this site potentially pose a groundwater? If yes, describe: Any below ground fuel tanks in close proximity to water well is a potential hazard to groundwater.
10, pre ((X 9. Do any ((X 20. Aft haz (X	OOO sent) Ye No any exc) Ye No er c ard) Ye	ga a's. of eecs.	Illons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements? If yes, describe: sidering all of the above criteria does this site potentially pose a groundwater? If yes, describe: Any below ground fuel tanks in close proximity to water well is a potential hazard to groundwater.



1.	Wellhead 100 ft. south of the well
2.	Nature of Business Service Station
3.	DLPC Permit Number(s) and Description (e.g., RCRA, Generic, Solid Waste, UIC, etc.): None
4.	DAPC Permit Number(s) and Description: None
5.	DWPC Permit Numbers and Description (e.g., NPDES, Industrial Pre-Treatment, Sewer Plans, etc.): None
6.	ERU Incidents and Description:None
7.	ERU 313 Reports and Description: None
3.	ESDA 302/303 Reports and Description: None
€.	ESDA 311/312 Reports and Description: None
10.	PWS compliance monitoring conducted and describe the results (e.g., VOC/VOA sample detects, etc.): None
11.	ISFM list the underground storage tanks registered, provide the owner name & address:
	Owner Name Address
	Fred Hess 102 E. Irving Park, Itasca, IL 60143

12.	IS t	ne site sewered or non-sewered? Sewered
	If th	ne site is not sewered, describe:
13.		on-site past or present landfilling, land treating, or surface impoundment aste, other than landscape waste or construction and demolition debrished?
	()	Yes. If yes, describe:
	(x)	No.
14.	Are	there currently any on-site piles of special or hazardous waste?
	()	Yes. If yes, describe:
	(x)	No.
15.		on-site piles of waste (other than special or hazardous wastes) managed ding to Agency guidelines?
	()	Yes. If yes, describe:
	(x)	No.
16.		there <u>currently</u> any underground storage tanks present on-site, and will any ground tanks be installed in the future?
	(x)	Yes. If yes, describe: 4 registered underground storage tanks on site OSFM #2-021186
	()	No.
17(a).	Has any situation(s) occurred at this site which resulted in a "release" of any hazardous substance or petroleum?
		Yes (continue to next question) No (stop here)
(b).	Have any hazardous substances or petroleum, which were released, come into contact with the ground surface at this site? (Notedo not automatically exclude paved or otherwise covered areas that may still have allowed chemical substances to penetrate into the ground.)
		Yes (continue to next question) No (stop here)
(c).	Have any of the following actions/events been associated with the release(s) referred to in question 17(b)?
		() Hiring of a cleanup contractor to remove obviously contaminated materials including subsoils
		() Replacement or major repair of damaged facilities

	(Assignment of in-house maintenance staff to remove obviously contaminated materials including subsoils
	(Designation, by IEPA or the ESDA, of a release as "significant" under the Illinois Chemical Safety Act
	(Reordering or other replenishment of inventory due to the amount of substance lost
	(Temporary or more long-term monitoring of groundwater at or near the site
	(Stop usage of an on-site or nearby water well because of offensive characteristics of the water
	(Coping with fumes from subsurface storm drains or inside basements
	() Signs of substances leaching out of the ground along the base of slopes or at other low points on or adjacent to the site
(d).		on-site release(s) <u>may</u> have been of sufficient magnitude to taminate groundwaters. Summarize the problem.
10 pr	,000 g esent a	e more than 100 gallons of either pesticides or organic solvents, or gallons of any hazardous substance, or 30,000 gallons of petroleum at any time? If yes, describe:
,	7 165	il yes, describe.
(x) No.	
		f the regulated entities have groundwater monitoring systems, and have eded compliance requirements?
() Yes	. If yes, describe:
(x) No.	
		nsidering all of the above criteria does this site potentially pose a
		o groundwater?
(If yes, describe: Any below ground fuel tanks in close proximity to a water well is a potential hazard to groundwater.
(. If yes, describe: Any below ground fuel tanks in close proximity to



	Wellhead 100 ft. south of the well
	Nature of Business Screw and Bolt Company
•	DLPC Permit Number(s) and Description (e.g., RCRA, Generic, Solid Waste, UIC, etc.): None
•	DAPC Permit Number(s) and Description: None
•	DWPC Permit Numbers and Description (e.g., NPDES, Industrial Pre-Treatment, Sewer Plans, etc.): None
•	ERU Incidents and Description: None
•	ERU 313 Reports and Description: None
•	ESDA 302/303 Reports and Description: None
•	ESDA 311/312 Reports and Description: None
).	PWS compliance monitoring conducted and describe the results (e.g., VOC/VOA sample detects, etc.): None
•	ISFM list the underground storage tanks registered, provide the owner name & address:
	Owner Name Address

12.	15 (de 21 de 26 mei en ou noui-26 mei en: 26 mei en
	If t	ne site is not sewered, describe:
13.		on-site past or present landfilling, land treating, or surface impoundment vaste, other than landscape waste or construction and demolition debris red?
	()	Yes. If yes, describe:
	(X)	No.
14.	Are	there currently any on-site piles of special or hazardous waste?
	()	Yes. If yes, describe:
	(X)	No.
15.		on-site piles of waste (other than special or hazardous wastes) managed rding to Agency guidelines?
	()	Yes. If yes, describe:
	(X)	No.
16.	Are under	there currently any underground storage tanks present on-site, and will any ground tanks be installed in the future?
	()	Yes. If yes, describe:
	(X)	No.
17(a).	Has any situation(s) occurred at this site which resulted in a "release" of any hazardous substance or petroleum?
	() (X)	Yes (continue to next question) No (stop here)
(1	b).	Have any hazardous substances or petroleum, which were released, come into contact with the ground surface at this site? (Notedo not automatically exclude paved or otherwise covered areas that may still have allowed chemical substances to penetrate into the ground.)
	()	Yes (continue to next question) No (stop here)
((c).	Have any of the following actions/events been associated with the release(s) referred to in question 17(b)?
		() Hiring of a cleanup contractor to remove obviously contaminated materials including subsoils
		() Replacement or major repair of damaged facilities

		()	Assignment of in-house maintenance staff to remove obviously contaminated materials including subsoils
		()	Designation, by IEPA or the ESDA, of a release as "significant" under the Illinois Chemical Safety Act
		()	Reordering or other replenishment of inventory due to the amount of substance lost
		()	Temporary or more long-term monitoring of groundwater at or near the site
		()	Stop usage of an on-site or nearby water well because of offensive characteristics of the water
		()	Coping with fumes from subsurface storm drains or inside basements
		()	Signs of substances leaching out of the ground along the base of slopes or at other low points on or adjacent to the site
(d).		on-site release(s) <u>may</u> have been of sufficient magnitude to aminate groundwaters. Summarize the problem.
18.	10,00 pres	00 ga e <mark>nt a</mark>	more than 100 gallons of either pesticides or organic solvents, or allons of any hazardous substance, or 30,000 gallons of petroleum t any time?
18.	10,00 pres	00 ga e <mark>nt a</mark>	allons of any hazardous substance, or 30,000 gallons of petroleum
18.	10,00 pres	00 ga ent a Yes.	allons of any hazardous substance, or 30,000 gallons of petroleum t any time?
	10,00 preso () (x) Do a	Yes. No.	allons of any hazardous substance, or 30,000 gallons of petroleum t any time?
	10,00 preso	Yes. No. ny of exceed	allons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have
	10,00 preso	Yes. No. ny of exceed	allons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements?
19.	10,00 preson () (x) Do at any () (x) After	Yes. No. ny of exceed Yes. No.	allons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements?
19.	10,00 preson (x) (x) Do at any (x) (x) Afterhazar	Yes. No. No. No. r con	allons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements? If yes, describe: sidering all of the above criteria does this site potentially pose a
19.	10,00 preson (x) (x) Do at any (x) (x) Afterhazar	Yes. No. No. No. r con	allons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements? If yes, describe: sidering all of the above criteria does this site potentially pose a groundwater?
19.	10,00 preson (x) (x) Do at any (x) (x) Afterhazar	Yes. No. No. r con rd to Yes.	allons of any hazardous substance, or 30,000 gallons of petroleum t any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have ded compliance requirements? If yes, describe: sidering all of the above criteria does this site potentially pose a groundwater? If yes, describe:



	Wellhead 200 ft. northeast of the well
2.	Nature of Business Business Park
3.	DLPC Permit Number(s) and Description (e.g., RCRA, Generic, Solid Waste, UIC, etc.): None
4.	DAPC Permit Number(s) and Description: None
5.	DWPC Permit Numbers and Description (e.g., NPDES, Industrial Pre-Treatment, Sewer Plans, etc.): None
6.	ERU Incidents and Description: None
7.	ERU 313 Reports and Description: None
8.	ESDA 302/303 Reports and Description: None
9.	ESDA 311/312 Reports and Description: None
10.	PWS compliance monitoring conducted and describe the results (e.g., VOC/VOA sample detects, etc.): None
11.	ISFM list the underground storage tanks registered, provide the owner name & address:
	Owner Name Address

12.		ne site is not sewered, describe:
13.	Has of w	on-site past or present landfilling, land treating, or surface impoundment aste, other than landscape waste or construction and demolition debrished?
	()	Yes. If yes, describe:
	(X)	No.
14.	Are 1	there currently any on-site piles of special or hazardous waste?
	()	Yes. If yes, describe:
	(x)	No.
15.		on-site piles of waste (other than special or hazardous wastes) managed ding to Agency guidelines?
	()	Yes. If yes, describe:
	(x)	No.
16.	Are 1	there currently any underground storage tanks present on-site, and will any ground tanks be installed in the future?
	()	Yes. If yes, describe:
	(x)	No.
17(a).	Has any situation(s) occurred at this site which resulted in a "release" of any hazardous substance or petroleum?
		Yes (continue to next question) No (stop here)
()	b).	Have any hazardous substances or petroleum, which were released, come into contact with the ground surface at this site? (Notedo not automatically exclude paved or otherwise covered areas that may still have allowed chemical substances to penetrate into the ground.)
		Yes (continue to next question) No (stop here)
(c).	Have any of the following actions/events been associated with the release(s) referred to in question 17(b)?
		() Hiring of a cleanup contractor to remove obviously contaminated materials including subsoils
		() Replacement or major repair of damaged facilities

	(Assignment of in-house maintenance staff to remove obviously contaminated materials including subsoils
	(Designation, by IEPA or the ESDA, of a release as "significant" under the Illinois Chemical Safety Act
	(Reordering or other replenishment of inventory due to the amount of substance lost
	(Temporary or more long-term monitoring of groundwater at or near the site
	(Stop usage of an on-site or nearby water well because of offensive characteristics of the water
	(Coping with fumes from subsurface storm drains or inside basements
	(Signs of substances leaching out of the ground along the base of slopes or at other low points on or adjacent to the site
(d).		on-site release(s) <u>may</u> have been of sufficient magnitude to minate groundwaters. Summarize the problem.
10,0 pres	000 sent	more than 100 gallons of either pesticides or organic solvents, or llons of any hazardous substance, or 30,000 gallons of petroleum; any time? If yes, describe:
10,0 pres ()	000 sent	llons of any hazardous substance, or 30,000 gallons of petroleum any time?
10,0 pres () (x)	ooo sent Yes No.	llons of any hazardous substance, or 30,000 gallons of petroleum any time?
10,0 pres () (x)	Yes No.	llons of any hazardous substance, or 30,000 gallons of petroleum any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have
10,0 pres (x) 19. Do a any	Yes No.	llons of any hazardous substance, or 30,000 gallons of petroleum any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have led compliance requirements?
10,0 pres () (x) 19. Do a any ()	Yes No. Yes No. No.	llons of any hazardous substance, or 30,000 gallons of petroleum any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have led compliance requirements?
10,0 pres () (x) 19. Do a any () (x)	Yes No. No. No. No. excel Yes	llons of any hazardous substance, or 30,000 gallons of petroleum any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have led compliance requirements? If yes, describe: sidering all of the above criteria does this site potentially pose a groundwater? If yes, describe:
10,0 pres () (x) 19. Do a any () (x)	Yes No. No. No. No. excel Yes	llons of any hazardous substance, or 30,000 gallons of petroleum any time? If yes, describe: the regulated entities have groundwater monitoring systems, and have led compliance requirements? If yes, describe: sidering all of the above criteria does this site potentially pose a groundwater?



	Wellhead 175 ft. southeast of the well
2.	Nature of Business Business Park
3.	DLPC Permit Number(s) and Description (e.g., RCRA, Generic, Solid Waste, UIC, etc.): None
4.	DAPC Permit Number(s) and Description: None
5.	DWPC Permit Numbers and Description (e.g., NPDES, Industrial Pre-Treatment, Sewer Plans, etc.): None
6.	ERU Incidents and Description: None
7.	ERU 313 Reports and Description: None
8.	ESDA 302/303 Reports and Description: None
9.	ESDA 311/312 Reports and Description: None
10.	PWS compliance monitoring conducted and describe the results (e.g., VOC/VOA sample detects, etc.): None
11.	ISFM list the underground storage tanks registered, provide the owner name & address:
	Owner Name Address

12.	IS T	ne site sewered or non-sewered? Sewered
	If th	ne site is not sewered, describe:
13.		on-site <u>past</u> or <u>present</u> landfilling, land treating, or surface impoundment aste, other than landscape waste or construction and demolition debrisched?
	()	Yes. If yes, describe:
	(x)	No.
14.	Are '	there currently any on-site piles of special or hazardous waste?
	()	Yes. If yes, describe:
	(x)	No.
15.		on-site piles of waste (other than special or hazardous wastes) managed ding to Agency guidelines?
	()	Yes. If yes, describe:
	(x)	No.
16.	Are i	there currently any underground storage tanks present on-site, and will any ground tanks be installed in the future?
	()	Yes. If yes, describe:
	(x)	No.
17(a).	Has any situation(s) occurred at this site which resulted in a "release" of any hazardous substance or petroleum?
		Yes (continue to next question) No (stop here)
(!	o).	Have any hazardous substances or petroleum, which were released, come into contact with the ground surface at this site? (Notedo not automatically exclude paved or otherwise covered areas that may still have allowed chemical substances to penetrate into the ground.)
		Yes (continue to next question) No (stop here)
((c).	Have any of the following actions/events been associated with the release(s) referred to in question 17(b)?
		() Hiring of a cleanup contractor to remove obviously contaminated materials including subsoils
		() Replacement or major repair of damaged facilities

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